

State of California
The Resources Agency

DEPARTMENT OF WATER RESOURCES
Division of Operations and Maintenance

STATE WATER PROJECT OPERATIONS DATA

For the month of:
March 2000

Gray Davis
Governor
State of California

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State of California
Resources Agency

**Department of Water Resources
Division of Operations and Maintenance**

**State Water Project
Operations Data**

for the Month of March 2000

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MONTHLY HIGHLIGHTS

The following highlights are activities or actions that impacted State Water Project operations during the month of March 2000.

March started wet, but by mid-month, the weather had shifted into a dry spring pattern. Statewide precipitation for March was only about two-thirds of average. Seasonal precipitation at the end of March was near average. Northern Sierra precipitation during March was about 3.7 inches, slightly more than 50 percent of average for the month. Seasonal accumulations since October 1 were approximately 48 inches, 115 percent of average. Last year's amount on April 1 was slightly more at 49.5 inches.

Mountain snowpack water content increased during the first half of March, but decreased about the same amount during the last half. Fair and warmer weather during the last part of the month caused some early melting of the snowpack especially at lower elevations. By April 1, the snowpack water content was near average compared to 110 percent in 1999.

Runoff during March was about 10 percent above average overall, which brought seasonal runoff to normal as of April 1. Last year seasonal runoff at this time stood at 115 percent of average. Most Central Valley foothill reservoirs made minor to moderate flood control releases during the first portion of the month, but no high river stages were observed. Overflow into both Sutter and Yolo bypasses occurred at the fixed weirs (Moulton, Colusa, Tisdale, and Fremont) of the Sacramento River flood control project, but the overflow ended in mid-month. San Joaquin River stages also rose to moderate levels with the flow into the Delta peaking at 17,000 cfs on March 7. Drier weather and the spring relaxation of flood control requirements caused reservoir operators to shift from the flood control mode into water storage during the last half of March.

Increased releases during the month were not large because of the need to maintain flood control space earlier in the month when runoff was higher. Estimated statewide reservoir storage on April 1 was about 115 percent of average, nearly the same as one year ago. On March 31, total storage in major SWP reservoirs was about 4.6 MAF, which is the same as at this time in 1999. Average storage in the major SWP reservoirs on March 31 was about 4.2 MAF. Storage in Lake Oroville was about 2.8 MAF, compared to 2.9 MAF at this time last year. The State's share of San Luis Reservoir storage was full (1.06 MAF) as it was at this time last year. The USBR share of San Luis Reservoir filled on March 23. On March 31, the combined storage in our southern reservoirs was about 652,609 AF, compared with 626,000 AF at this time last year.

Through March, SWP water deliveries for 2000 were about 662,900 AF. This is a combination of project, transfer, and exchange waters. This is about 324,500 AF more than delivered during the same period in 1999.

Metropolitan Water District of Southern California began drawdown of Lake Perris on March 27 to augment current Diamond Valley Lake fill operations. MWDSC plans to remove about 15,000 AF of their flexible storage from Lake Perris over the next couple of months.

Take/salvage of the Endangered Species Act listed fish continues to be an ongoing concern. Fill of the CVP share of San Luis was delayed several days to decrease salvage of salmon and smelt in late February. (Genetic analysis of winter-run sized salmon salvaged indicates that only 35-40 percent were likely winter-run.)

Table 1. Antelope Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 22,566 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Feb 29	4995.51	16,983								
1	4995.55	17,015	32	20	0	0	0			
2	4995.59	17,046	31	20	0	0	0			
3	4995.64	17,086	40	20	0	0	0			
4	4995.69	17,125	39	20	0	0	0			
5	4995.78	17,197	72	20	0	0	0			
6	4995.84	17,244	47	20	0	0	0			
7	4995.88	17,276	32	20	0	0	0			
8	4995.94	17,324	48	20	0	0	0			
9	4995.99	17,364	40	20	0	0	0			
10	4996.03	17,396	32	20	0	0	0			
11	4996.08	17,436	40	20	0	0	0			
12	4996.14	17,484	48	20	0	0	0			
13	4996.23	17,556	72	20	0	0	0			
14	4996.34	17,645	89	20	0	0	0			
15	4996.47	17,750	105	20	0	0	0			
16	4996.59	17,847	97	20	0	0	0			
17	4996.73	17,961	114	20	0	0	0			
18	4996.87	18,075	114	20	0	0	0			
19	4997.07	18,239	164	20	0	0	0			
20	4997.26	18,396	157	20	0	0	0			
21	4997.41	18,520	124	20	0	0	0			
22	4997.56	18,645	125	20	0	0	0			
23	4997.74	18,795	150	20	0	0	0			
24	4997.95	18,972	177	20	0	0	0			
25	4998.17	19,158	186	20	0	0	0			
26	4998.43	19,379	221	20	0	0	0			
27	4998.69	19,601	222	20	0	0	0			
28	4998.93	19,808	207	20	0	0	0			
29	4999.15	19,998	190	20	0	0	0			
30	4999.34	20,164	166	20	0	0	0			
31	4999.49	20,295	131	20	0	0	0			
Total cfs-days				---	620	0	0	49	669	2,339
Total ac-ft				3,312	1,230	0	0	98	1,328	4,640

1/ Values not available on a daily basis.

Table 2. Frenchman Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 55,477 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs						Computed Inflow 1/	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/	Total Outflow 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right					
Feb 29	5581.39	45,638									
1	5581.40	45,652	14	2	0	0	0				
2	5581.47	45,750	98	2	0	0	0				
3	5581.53	45,835	85	2	0	0	0				
4	5581.58	45,905	70	2	0	0	0				
5	5581.68	46,045	140	2	0	0	0				
6	5581.73	46,116	71	2	0	0	0				
7	5581.83	46,257	141	2	0	0	0				
8	5581.88	46,328	71	2	0	0	0				
9	5581.89	46,342	14	2	0	0	0				
10	5581.91	46,370	28	2	0	0	0				
11	5582.02	46,526	156	2	0	0	0				
12	5582.06	46,583	57	2	0	0	0				
13	5582.12	46,668	85	2	0	0	0				
14	5582.28	46,895	227	2	0	0	0				
15	5582.36	47,009	114	2	0	0	0				
16	5582.46	47,152	143	2	0	0	0				
17	5582.55	47,281	129	2	0	0	0				
18	5582.68	47,467	186	2	0	0	0				
19	5582.92	47,812	345	2	0	0	0				
20	5583.05	47,999	187	2	0	0	0				
21	5583.21	48,231	232	2	0	0	0				
22	5583.28	48,332	101	2	0	0	0				
23	5583.37	48,463	131	2	0	0	0				
24	5583.55	48,725	262	2	0	0	0				
25	5583.65	48,870	145	2	0	0	0				
26	5583.74	49,002	132	2	0	0	0				
27	5583.94	49,295	293	2	0	0	0				
28	5584.12	49,559	264	2	0	0	0				
29	5584.24	49,736	177	2	0	0	0				
30	5584.34	49,884	148	2	0	0	0				
31	5584.44	50,031	147	2	0	0	0				
Total cfs-days				---	62	0	0	0	87	149	2,363
Total ac-ft				4,393	123	0	0	0	172	295	4,688

1/ Values not available on a daily basis.

Table 3. Lake Davis

Daily Operation
(in acre-feet except as noted)

Capacity: 84,371 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow in cfs					Computed Inflow	
				Regulated Release			Spill	Estimated Evaporation And Seepage 1/		
				Stream-flow Maint.	Water Supply Contract	Water Right				
Feb 29	5768.68	60,976								
1	5768.71	61,077	101	10	0	0	0			
2	5768.72	61,111	34	10	0	0	0			
3	5768.75	61,213	102	10	0	0	0			
4	5768.78	61,314	101	10	0	0	0			
5	5768.81	61,416	102	10	0	0	0			
6	5768.82	61,449	33	10	0	0	0			
7	5768.86	61,585	136	20	0	0	0			
8	5768.86	61,585	0	26	0	0	0			
9	5768.92	61,789	204	26	0	0	0			
10	5768.93	61,823	34	26	0	0	0			
11	5768.94	61,857	34	26	0	0	0			
12	5768.97	61,959	102	26	0	0	0			
13	5768.98	61,993	34	26	0	0	0			
14	5769.00	62,062	69	26	0	0	0			
15	5769.03	62,161	99	26	0	0	0			
16	5769.06	62,266	105	26	0	0	0			
17	5769.09	62,369	103	26	0	0	0			
18	5769.15	62,574	205	26	0	0	0			
19	5769.23	62,848	274	26	0	0	0			
20	5769.25	62,917	69	26	0	0	0			
21	5769.32	63,158	241	26	0	0	0			
22	5769.38	63,364	206	26	0	0	0			
23	5769.46	63,641	277	26	0	0	0			
24	5769.54	63,918	277	26	0	0	0			
25	5769.63	64,230	312	26	0	0	0			
26	5769.72	64,543	313	26	0	0	0			
27	5769.81	64,857	314	26	0	0	0			
28	5769.89	65,137	280	26	0	0	0			
29	5769.98	65,453	316	26	0	0	0			
30	5769.97	65,418	-35	26	0	0	0			
31	5770.02	65,593	175	26	0	0	0			
Total cfs-days				---	704	0	0	208	912	3,240
Total ac-ft				4,617	1,396	0	0	413	1,809	6,426

1/ Values not available on a daily basis.

Table 4. Lake Oroville

Daily Operation

(in acre-feet except as noted)

Capacity: 3,537, 580 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Outflow					Inflow	
				Hyatt Powerplant Generation 1/	Palermo Canal	Evaporation 2/	Spill	Total Outflow	Hyatt Powerplant Pumpback	Computed Inflow 3/
Feb 29	846.81	2,765,788								
1	846.90	2,766,982	1,194	29,984	0	36	0	30,020	0	31,214
2	846.49	2,761,544	-5,438	33,339	0	50	0	33,389	0	27,951
3	846.01	2,755,186	-6,358	32,868	0	0	0	32,868	0	26,510
4	845.64	2,750,292	-4,894	29,082	0	79	0	29,161	0	24,267
5	847.24	2,771,498	21,206	12,969	0	72	0	13,041	0	34,247
6	847.70	2,777,616	6,118	22,559	0	22	0	22,581	0	28,699
7	847.16	2,770,435	-7,181	31,436	0	29	0	31,465	0	24,284
8	846.61	2,763,135	-7,300	33,764	0	22	0	33,786	0	26,486
9	846.20	2,757,702	-5,433	33,906	0	50	0	33,956	0	28,523
10	845.64	2,750,292	-7,410	32,916	0	21	0	32,937	0	25,527
11	845.10	2,743,161	-7,131	30,256	0	29	0	30,285	0	23,154
12	845.15	2,743,821	660	21,780	0	64	0	21,844	0	22,504
13	845.07	2,742,765	-1,056	21,875	0	100	0	21,975	0	20,919
14	844.41	2,734,068	-8,697	27,027	0	100	0	27,127	0	18,430
15	843.93	2,727,755	-6,313	28,938	0	135	0	29,073	0	22,760
16	843.45	2,721,451	-6,304	26,145	0	150	0	26,295	0	19,991
17	843.35	2,720,140	-1,311	21,919	3	191	0	22,113	0	20,802
18	844.11	2,730,121	9,981	10,346	4	178	0	10,528	0	20,509
19	845.11	2,743,293	13,172	4,414	4	199	0	4,617	0	17,789
20	845.61	2,749,896	6,603	14,946	4	136	0	15,086	0	21,689
21	846.07	2,755,980	6,084	13,026	4	243	0	13,273	0	19,357
22	846.30	2,759,026	3,046	14,336	4	215	0	14,555	0	17,601
23	846.52	2,761,942	2,916	14,035	9	136	0	14,180	0	17,096
24	846.83	2,766,054	4,112	13,705	12	129	0	13,846	0	17,958
25	847.96	2,781,078	15,024	1,764	12	108	0	1,884	0	16,908
26	849.09	2,796,160	15,082	1,175	12	115	0	1,302	0	16,384
27	849.48	2,801,379	5,219	11,465	8	138	0	11,611	0	16,830
28	849.86	2,806,470	5,091	11,684	6	94	0	11,784	0	16,875
29	850.60	2,816,404	9,934	5,965	6	123	0	6,094	0	16,028
30	851.47	2,828,113	11,709	4,049	6	161	0	4,216	0	15,925
31	852.25	2,838,641	10,528	3,584	6	263	0	3,853	0	14,381
Total		72,853	595,257	100	3,388	0	598,745	0	671,598	

1/ Includes bypass flows

2/ Evaporation will be zero for days when there is precipitation or heavy overcast.

3/ Does not include pumpback.

**Table 5. Thermalito Forebay
Including Diversion Pool and Power Canal**

Daily Operation

(in acre-feet except as noted)

March 2000

Capacity: 25,120 ac-ft

Date	Storage 1/	Storage Change	Inflow			Outflow					Losses (-) And Gains (+)
			Lake Oroville Releases 2/	Kelly Ridge Generation	Thermalito Pumping- Generating Plant Pumpback	Thermalito Pumping- Generating Plant Generation 3/	Butte County	Thermalito Irrigation District	Releases To River 4/	Hyatt Powerplant Pumpback	
Feb 29	22,074										
1	22,457	383	29,984	506	0	29,366	6	4	1,279	0	548
2	22,694	237	33,339	506	0	32,773	6	4	1,277	0	452
3	22,388	-306	32,868	504	0	32,988	6	4	1,281	0	601
4	22,712	324	29,082	502	0	28,598	6	4	1,271	0	619
5	23,498	786	12,969	502	0	13,010	6	4	1,307	0	1,642
6	22,765	-733	22,559	510	0	23,173	6	4	1,277	0	658
7	22,810	45	31,436	504	0	31,175	6	4	1,275	0	565
8	22,464	-346	33,764	504	0	34,137	6	4	1,287	0	820
9	22,542	78	33,906	506	0	33,905	6	4	1,285	0	866
10	22,665	123	32,916	506	0	32,669	6	4	1,279	0	659
11	22,910	245	30,256	506	0	29,787	6	4	1,271	0	551
12	23,206	296	21,780	506	0	21,267	6	4	1,265	0	552
13	23,763	557	21,875	508	0	20,971	6	4	1,263	0	418
14	22,647	-1,116	27,027	508	0	27,757	6	4	1,265	0	381
15	22,710	63	28,938	504	0	28,490	6	4	1,267	0	388
16	22,854	144	26,145	545	0	25,747	6	4	1,267	0	478
17	22,776	-78	21,919	462	0	21,610	6	4	1,261	0	422
18	22,846	70	10,346	508	0	9,819	6	4	1,253	0	298
19	23,614	768	4,414	504	0	3,014	6	4	1,261	0	135
20	23,167	-447	14,946	506	0	14,893	6	4	1,247	0	251
21	23,332	165	13,026	504	0	12,315	6	4	1,225	0	185
22	22,958	-374	14,336	506	0	14,230	6	4	1,247	0	271
23	23,033	75	14,035	504	0	13,461	6	3	1,237	0	243
24	23,887	854	13,705	504	0	12,304	6	3	1,259	0	217
25	23,901	14	1,764	506	0	1,053	6	3	1,261	0	67
26	23,804	-97	1,175	506	0	545	6	3	1,219	0	-5
27	23,196	-608	11,465	508	0	11,479	6	3	1,257	0	164
28	22,877	-319	11,684	500	0	11,443	6	3	1,245	0	194
29	23,579	702	5,965	504	0	4,627	6	3	1,239	0	108
30	23,317	-262	4,049	611	0	3,618	6	3	1,219	0	-76
31	24,221	904	3,584	400	0	1,990	5	3	1,211	0	129
Total		2,147	595,257	15,660	0	582,214	185	115	39,057	0	12,801

1/ Sum of Thermalito Forebay and Diversion Pool.

2/ Sum of releases from Lake Oroville through Hyatt plant, spill, and spillway leakage.

3/ Includes Bypass flows at Thermalito.

4/ The sum of the flows from fish barrier dam and the fish hatchery.

Table 6. Thermalito Afterbay

Daily Operation

(in acre-feet except as noted)

Capacity: 57,040 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow					Losses (-) and Gains (+)	Total Releases to River 2/
				Thermalito Pumping-Generating Plant Generation 1/	Sutter Butte Canal	Western Canal Lateral	Richvale Canal	Western Canal	Afterbay River Outlet	Thermalito Pumping-Generating Plant Pumpback		
Feb 29	132.19	39,815										
1	131.76	38,250	-1,565	29,366	0	0	0	0	30,744	0	-187	32,023
2	132.33	40,331	2,081	32,773	0	0	0	0	30,744	0	52	32,021
3	132.92	42,538	2,207	32,988	0	0	0	0	30,744	0	-37	32,025
4	132.60	41,334	-1,204	28,598	0	0	0	0	30,149	0	347	31,420
5	129.38	30,122	-11,212	13,010	0	0	0	0	24,794	0	572	26,101
6	128.93	28,688	-1,434	23,173	0	0	0	0	24,794	0	187	26,071
7	130.84	35,000	6,312	31,175	0	0	0	0	24,794	0	-69	26,069
8	133.27	43,874	8,874	34,137	0	0	0	0	25,389	0	126	26,676
9	133.77	45,815	1,941	33,905	0	0	0	0	32,529	0	565	33,814
10	133.85	46,129	314	32,669	0	0	0	0	32,728	0	373	34,007
11	133.21	43,644	-2,485	29,787	0	0	0	0	32,728	0	456	33,999
12	130.19	32,786	-10,858	21,267	0	0	0	0	32,728	0	603	33,993
13	126.96	22,805	-9,981	20,971	0	0	0	0	31,736	0	784	32,999
14	127.02	22,974	169	27,757	0	0	0	0	27,571	0	-17	28,836
15	129.65	30,998	8,024	28,490	0	0	0	0	20,033	0	-433	21,300
16	132.21	39,888	8,890	25,747	0	0	0	0	16,285	0	-572	17,552
17	134.02	46,800	6,912	21,610	0	0	0	0	14,261	0	-437	15,522
18	133.23	43,720	-3,080	9,819	0	0	0	0	12,774	0	-125	14,027
19	130.47	33,731	-9,989	3,014	0	0	0	0	12,754	0	-249	14,015
20	131.04	35,695	1,964	14,893	0	0	0	0	12,774	0	-155	14,021
21	131.01	35,590	-105	12,315	0	0	0	0	12,278	0	-142	13,503
22	132.02	39,193	3,603	14,230	0	0	0	0	10,294	0	-333	11,541
23	133.23	43,720	4,527	13,461	0	0	0	0	8,767	0	-167	10,004
24	134.08	47,037	3,317	12,304	0	0	0	0	8,747	0	-240	10,006
25	132.47	40,850	-6,187	1,053	0	0	0	0	7,260	0	20	8,521
26	130.82	34,931	-5,919	545	0	0	0	0	6,744	0	280	7,963
27	132.17	39,741	4,810	11,479	0	0	0	0	6,248	0	-421	7,505
28	133.90	46,326	6,585	11,443	0	0	0	0	4,780	0	-78	6,025
29	134.16	47,353	1,027	4,627	0	0	0	0	3,769	0	169	5,008
30	134.16	47,353	0	3,618	0	0	0	0	3,749	0	131	4,968
31	133.73	45,658	-1,695	1,990	0	0	0	0	3,749	0	64	4,960
Total		5,843		582,214	0	0	0	0	577,438	0	1,067	616,495

1/ Includes Bypass flows at Thermalito.

2/ The sum of the flows from the fish barrier dam, fish hatchery, and afterbay river outlet.

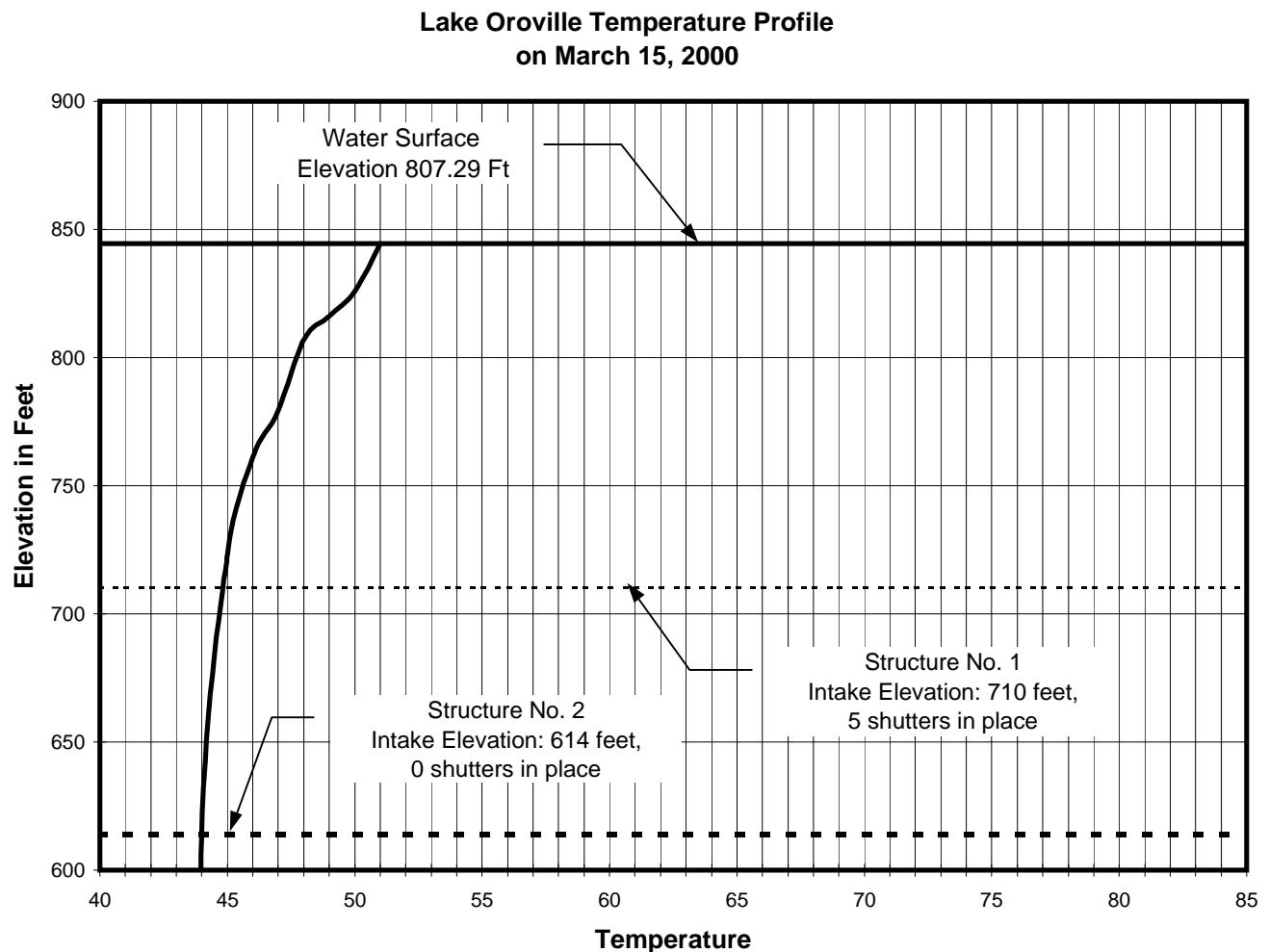
Table 7. Oroville-Thermalito Complex

Water Temperature Data

(in degrees Fahrenheit)

March 2000

Date	Mean Daily Temperature	
	Thermalito Afterbay Outlet	Fish Hatchery
1	47	47
2	47	47
3	46	47
4	47	47
5	47	47
6	47	47
7	46	47
8	46	47
9	46	46
10	46	46
11	47	47
12	48	47
13	49	47
14	49	46
15	48	46
16	48	46
17	48	46
18	48	47
19	50	47
20	49	47
21	49	48
22	50	47
23	50	47
24	51	48
25	51	48
26	52	48
27	52	48
28	53	47
29	54	47
30	55	48
31	55	48



Note: Water surface elevations on Table 4 are taken at Oroville Dam at midnight and may differ slightly from those shown on this table which are normally taken at mid-day and upstream from Oroville Dam.

Table 8. North Bay Aqueduct Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2000

Table 9. Delta Field Division Plant Data

(in acre-feet)

March 2000

Date	North Bay Aqueduct		California Aqueduct		South Bay Aqueduct				Gravity Flow Through Plant Into Aqueduct	
	Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant				
			Total	SWP		Into Lake	Into Aqueduct			
1	50	47	11,461	11,461	53	0	0		223	
2	46	41	13,402	7,624	57	0	0		229	
3	55	49	15,383	6,104	40	0	0		241	
4	41	38	17,249	6,996	39	0	0		240	
5	51	44	17,246	6,903	30	0	0		248	
6	54	51	15,124	6,858	8	0	0		194	
7	32	23	17,185	6,845	0	0	0		167	
8	21	18	15,146	-147	0	0	0		189	
9	16	16	6,368	2,317	0	0	0		233	
10	25	13	8,716	4,107	0	0	0		264	
11	29	23	5,393	5,393	0	0	0		274	
12	23	18	14,468	9,700	0	0	0		276	
13	19	13	6,929	6,929	0	0	0		267	
14	31	21	4,621	4,621	41	0	0		262	
15	24	18	6,523	6,523	171	0	0		236	
16	23	18	6,119	6,119	127	0	0		164	
17	35	28	6,888	6,888	149	0	0		118	
18	34	32	12,633	12,633	164	0	0		118	
19	38	33	13,680	13,680	166	0	0		118	
20	48	42	12,753	12,753	166	0	0		119	
21	46	43	9,191	9,191	185	0	0		117	
22	102	93	11,504	11,504	217	0	0		115	
23	102	93	8,001	8,001	256	0	0		81	
24	103	93	7,883	7,883	269	0	0		50	
25	72	65	9,439	9,439	280	0	0		51	
26	60	51	10,968	10,968	281	0	0		50	
27	36	30	11,691	11,691	310	0	0		50	
28	38	34	10,606	10,606	333	0	0		22	
29	34	30	12,474	12,474	350	0	0		0	
30	38	34	12,780	12,780	374	0	0		0	
31	12	7	11,187	8,746	379	0	0		0	
Total	1,338	1,159	343,011	257,590	4,445	0	0		4,716	

Table 10. Clifton Court Forebay

Daily Operation of Gates

March 2000

Date	Time								Amount of inflow in Acre-Feet
	Opened	Closed	Opened	Closed	Opened	Closed	Opened	Closed	
1	0:23	13:22	15:32	17:56					11,892
2	1:37	14:09	16:19	21:11					12,992
3	1:46	14:48	17:02	23:21					15,793
4	2:20	15:24	17:44	23:54					17,292
5	2:53	15:59	18:25	---					17,656
6	---	0:25	3:24	16:34	19:06	---			15,578
7	---	0:57	3:56	17:12	19:50	---			16,105
8	---	1:30	8:32	---					16,938
9	---	2:06	9:06	14:43	17:20	23:26			7,990
10	5:27	6:45	9:42	14:40	18:35	---			7,808
11	---	7:29	10:29	14:15	21:20	---			5,674
12	---	8:23	11:20	17:43	20:42	---			9,935
13	---	9:32	12:14	15:35	23:31	---			10,511
14	---	6:15	8:30	10:53	13:23	16:04			6,350
15	1:40	8:38	9:53	12:11	15:06	17:45			5,312
16	2:00	7:33	15:40	18:51					6,130
17	2:07	8:21	13:05	14:14	16:41	18:52			6,358
18	2:25	9:45	12:43	15:05	17:58	22:47			10,755
19	2:34	10:40	13:14	15:51	18:26	23:19			13,248
20	3:13	13:35	14:30	16:35	19:15	---			13,170
21	---	0:32	7:54	16:19	18:29	---			9,535
22	---	0:03	8:24	14:02	17:01	---			11,659
23	---	6:06	8:55	13:10	18:14	---			9,337
24	---	6:45	9:27	13:20	19:35	---			8,470
25	---	7:28	10:08	14:05	20:38	---			8,690
26	---	8:20	10:45	14:54	20:21	---			8,983
27	---	9:29	11:37	15:17	21:55	---			11,490
28	---	10:51	12:50	14:58	23:05	---			10,310
29	---	12:04	13:48	16:30	23:30	---			11,000
30	---	13:01							13,238
31	0:19	13:47	15:50	18:50					11,338

Total inflow for the month in AF:

341,537

Table 11. Governor Edmund G. Brown California Aqueduct
Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	USBR	Misc.	Loan Water	Carryover Ent.	
	No.	Structure	Mile							
2A	1	Banks Pumping Plant	3.32		343,011					
	1	South Bay Pumping Plant	4.49	Bethany Reservoir Inlet	4,445					
		Check No. 1	5.95							
	2	Check No. 2	12.01							
	3		12.47	Musco Olive	55					
		Check No. 3	18.29							
	4		22.16	Tracy Golf & Country Club	0					
		Check No. 4	23.99							
	5	Check No. 5	29.73							
	6	Check No. 6	34.24							
	7		35.22	Turlock Fruit Company Inflow	0					
		Check No. 7	39.91							
2B	8		42.46	Oak Flat Water District-A	0					
			43.81	Oak Flat Water District-B	41	41				
			44.64	Oak Flat Water District-C	66	66				
		Check No. 8	45.97							
	9		46.18	Oak Flat Water District-D	1	1				
				Oak Flat Totals:	108	108	0	0	0	
		Check No. 9	51.30							
	10	Check No. 10	56.86							
	11	Check No. 11	61.40							
	12		66.14	Veteran's Cemetery	2					
		Check No. 12	66.71		322,842	2				

Table 12. South Bay Aqueduct

Delta Field Division, Monthly Deliveries

(In acre-feet)

March 2000

Reach No.	Operating Pool		Tumout	Total Diver-sions	Deliveries				
	Beginning and Ending				Entitle-ment	Inter-ruptible Ent.	Local	Recre-ation	
	No.	Structure	Mile						
1	1	South Bay Pumping Plant	0.00	(into South Bay Aqueduct)	4,445	2	415	41	
			3.17	Granite - Vasco Rd. (Temp.)	0				
			3.18	Oakland Scavenger Zone 7	2				
		Check No. 1	3.91						
	2	Check No. 2	5.21						
2	3		7.21	Zone 7 Altamont	0	39	150	1	
		Check No. 3	9.49	Zone 7 Patterson Inflow Exchange	415				
				Zone 7 Patterson Project Water	0				
	4	Check No. 4	10.68						
4	6	Check No. 5	12.29			8	133	4	
			13.55	Zone 7 Wente #1	41				
			14.16	Zone 7 Wente #2	39				
		Check No. 6	14.65						
			14.78	Zone 7 Arroyo Mocho	150				
		Check No. 7	16.38						
			16.57	Zone 7 Wente #3	1				
			16.69	Zone 7 Norman Nursery	0				
			16.70	Zone 7 Concannon Inflow Released	8				
5	8	Del Valle Branch Pipeline Junction	18.63	(Pumped into Lake Del Valle)	0	12	1,388	4	
				(Flow into South Bay Aqueduct)	3,794				
				Arroyo Valle #1 & #2 Project Water	0				
		Deliveries through Del Valle Branch Pipeline		Arroyo Valle #1 & #2 Inflow Released	133				
				Lake Del Valle Recreation	4				
				Zone 7 Wente #5	12				
			19.20	So. Livermore Project	0				
				So. Livermore Inflow Released	1,388				
			19.21	So. Livermore Stored Exchanged	0				
6	7			Zone 7 - Kalthrof Detjens	4				
		La Costa Tunnel	22.50	ACWD Vallecitos Project Water	0	4,197	1,804		
			25.97	City of San Francisco San Antonio	0				
		Mission Tunnel	28.97	ACWD - Bayside 1 & 2 Project Water: Inflow Released	0				
8	9			Stored Exchange:	1,804				
		Santa Clara Pipeline	35.86	S.C.V.W.D. Meter	4,197				

Table 13. Lake Del Valle

Daily Operation

Capacity: 77,106 ac-ft

(in acre-feet except as noted)

March 2000

Date	Water Surface Elevation (feet)	Storage	Storage Change	Inflow		Outflow					Precipitation (inches)
				Natural 1/	From South Bay Aqueduct	Arroyo Valle	South Bay Aqueduct	Recreation Deliveries 2/	Evaporation	Total Outflow	
Feb 28	701.50	38,862									
1	701.71	39,008	146	372	0	44	179	0	3	226	0.02
2	701.80	39,071	63	293	0	45	184	0	1	230	0.15
3	701.77	39,050	-21	223	0	47	194	0	3	244	0.08
4	701.72	39,015	-35	207	0	47	193	0	2	242	0.00
5	701.75	39,036	21	269	0	48	200	0	0	248	0.67
6	701.78	39,057	21	217	0	38	156	1	1	196	0.04
7	701.79	39,064	7	177	0	33	134	0	3	170	0.00
8	701.91	39,148	84	275	0	37	152	0	2	191	0.30
9	702.32	39,435	287	523	0	46	187	0	3	236	0.28
10	702.50	39,562	127	393	0	52	212	0	2	266	0.01
11	702.52	39,576	14	293	0	53	221	0	5	279	0.00
12	702.45	39,526	-50	232	0	54	222	1	5	282	0.00
13	702.33	39,442	-84	188	0	52	215	0	5	272	0.00
14	702.17	39,330	-112	155	0	51	211	0	5	267	0.00
15	702.03	39,232	-98	143	0	46	190	0	5	241	0.00
16	701.96	39,183	-49	122	0	32	132	0	7	171	0.00
17	701.93	39,162	-21	102	0	23	95	0	5	123	0.00
18	701.88	39,127	-35	90	0	23	95	1	6	125	0.00
19	701.83	39,092	-35	91	0	23	95	0	8	126	0.00
20	701.74	39,029	-63	64	0	23	96	0	8	127	0.00
21	701.67	38,980	-49	79	0	23	94	0	11	128	0.00
22	701.57	38,911	-69	53	0	22	93	0	7	122	0.00
23	701.57	38,911	0	87	0	16	65	0	6	87	0.00
24	701.56	38,904	-7	49	0	10	40	0	6	56	0.00
25	701.58	38,918	14	71	0	10	41	0	6	57	0.00
26	701.56	38,904	-14	42	0	10	40	1	5	56	0.00
27	701.55	38,897	-7	49	0	10	40	0	6	56	0.00
28	701.59	38,925	28	55	0	4	18	0	5	27	0.00
29	701.62	38,946	21	26	0	0	0	0	5	5	0.00
30	701.65	38,966	20	26	0	0	0	0	6	6	0.00
31	701.65	38,966	0	9	0	0	0	0	9	9	0.00
Total				104	4,972	0	922	3,794	4	148	4,868
											1.55

1/ Total inflow from stream gaging station above Lang Canyon and accretions/depletions.

2/ To East Bay Regional Park District.

NR=No Records

Table 14. Consolidated State-Federal O'Neill Forebay

Daily Operations

March 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 56,430 Acre-feet

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)				Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)	
				Pump In 1/	O'Neill Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	California Aqueduct	O'Neill Pumping Generating Plant (Generation)	Gianelli Pumping Generating Plant (Pumped)	Dos Amigos Pumping Plant 2/	Deliveries 3/		
Feb 29	222.55	49,847											
1	223.83	53,269	3,422	0	3,517	168	4,969	0	3,111	4,080	20	282	
2	224.32	54,589	1,320	0	3,670	169	6,201	0	5,289	4,703	28	645	
3	223.27	51,768	-2,821	0	3,636	0	7,809	0	9,927	4,281	28	1,369	
4	224.29	54,508	2,740	0	3,580	0	8,286	0	7,024	4,501	12	1,052	
5	223.05	51,180	-3,328	0	3,441	0	8,619	0	10,401	5,217	9	1,889	
6	223.80	53,189	2,009	0	3,404	0	7,109	0	6,604	4,080	10	1,194	
7	224.43	54,887	1,698	0	3,381	0	8,126	0	7,282	4,586	9	1,226	
8	224.82	55,944	1,057	0	3,560	0	7,665	0	6,454	4,194	13	-31	
9	223.69	52,893	-3,051	0	3,675	0	3,432	0	6,371	2,084	7	-183	
10	223.05	51,180	-1,713	0	3,717	0	4,355	0	6,224	2,535	8	-169	
11	221.14	46,128	-5,052	0	3,410	0	2,523	0	6,192	2,234	7	-47	
12	222.15	48,783	2,655	0	3,393	0	6,858	0	6,152	2,791	7	38	
13	221.99	48,360	-423	0	3,340	0	3,550	0	3,248	3,926	10	81	
14	222.33	49,261	901	0	3,363	0	2,423	0	2,562	3,044	9	283	
15	221.72	47,651	-1,610	0	3,361	0	2,901	0	2,746	4,511	9	192	
16	220.19	43,645	-4,006	0	3,369	0	3,050	0	3,139	5,328	5	33	
17	219.31	41,375	-2,270	0	3,367	0	2,665	0	3,122	4,807	5	758	
18	220.17	43,593	2,218	0	3,308	0	5,702	0	2,662	5,638	9	417	
19	218.52	39,373	-4,220	0	3,327	0	6,534	0	5,897	6,443	9	360	
20	220.94	45,603	6,230	0	3,386	0	5,789	0	2,213	4,261	5	445	
21	220.85	45,368	-235	0	3,279	0	4,119	0	2,211	5,409	3	107	
22	221.15	46,154	786	0	3,222	0	5,525	0	2,232	5,849	3	-267	
23	220.57	44,635	-1,519	0	3,200	0	3,702	0	1,577	6,434	12	355	
24	220.08	43,360	-1,275	0	2,035	0	3,808	0	0	6,403	8	-75	
25	219.32	41,400	-1,960	0	1,067	0	4,438	0	0	6,703	13	223	
26	218.32	38,870	-2,530	0	1,006	0	5,373	0	943	6,409	9	-294	
27	218.22	38,620	-250	0	1,011	0	5,343	0	0	6,932	10	462	
28	218.60	39,573	953	0	1,500	0	5,023	0	0	6,233	12	202	
29	218.87	40,255	682	0	1,909	0	5,751	0	0	7,475	12	171	
30	219.65	42,248	1,993	0	2,096	0	5,843	0	0	7,164	16	246	
31	219.39	41,579	-669	0	1,810	0	5,272	0	0	7,572	16	169	
Total				-8,268	0	91,340	337	162,763	0	113,583	155,827	333	11,135
Mean cfs				---	0	2,946	11	5,250	0	3,664	5,027	11	359
Acre-feet				-8,268	0	181,173	670	322,842	0	225,288	309,077	661	22,073

1/ Pump-in located at Mile 79.67R.

2/ CVC Transfer incorporated in D.A. pumping; Total CVC transfer = 44,628 AF.

3/ Includes 77 AF delivered to DFG at O'Neill Forebay.

Table 15. Consolidated State-Federal San Luis Reservoir

Daily Operations

March 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 2,027,835 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)			Computed Losses (-) Gains (+) (cfs)
				Gianelli Pumping Generating Plant (Pumped)	Gianelli Pumping Generating Plant (Generation)	Pacheco Tunnel 1/	Parks and Rec. Del.		
Feb 29	526.81	1,825,778							
1	527.26	1,831,294	5,516	3,111	168	71	0	-91	
2	527.98	1,840,132	8,838	5,289	169	74	0	-590	
3	529.37	1,857,236	17,104	9,927	0	90	0	-1,214	
4	530.33	1,869,081	11,845	7,024	0	80	0	-972	
5	531.71	1,886,153	17,072	10,401	0	76	0	-1,718	
6	532.60	1,897,192	11,039	6,604	0	92	0	-947	
7	533.61	1,909,747	12,555	7,282	0	98	0	-854	
8	534.62	1,922,330	12,583	6,454	0	94	0	-16	
9	535.61	1,934,692	12,362	6,371	0	110	0	-29	
10	536.57	1,946,706	12,014	6,224	0	126	0	-41	
11	537.52	1,958,619	11,913	6,192	0	125	0	-61	
12	538.46	1,970,433	11,814	6,152	0	135	0	-61	
13	538.94	1,976,475	6,042	3,248	0	137	0	-65	
14	539.31	1,981,136	4,661	2,562	0	130	0	-82	
15	539.71	1,986,180	5,044	2,746	0	116	0	-87	
16	540.17	1,991,986	5,806	3,139	0	110	0	-102	
17	540.63	1,997,798	5,812	3,122	0	110	0	-82	
18	541.02	2,002,730	4,932	2,662	0	114	0	-61	
19	541.91	2,014,001	11,271	5,897	0	120	0	-95	
20	542.21	2,017,806	3,805	2,213	0	139	0	-156	
21	542.50	2,021,486	3,680	2,211	0	187	0	-169	
22	542.80	2,025,295	3,809	2,232	0	209	0	-103	
23	542.99	2,027,708	2,413	1,577	0	209	0	-151	
24	542.98	2,027,581	-127	0	0	201	0	137	
25	542.93	2,026,946	-635	0	0	208	0	-112	
26	543.03	2,028,217	1,271	943	0	216	0	-86	
27	543.03	2,028,217	0	0	0	214	0	214	
28	543.00	2,027,835	-382	0	0	189	0	-4	
29	542.97	2,027,454	-381	0	0	201	0	9	
30	542.93	2,026,946	-508	0	0	204	0	-52	
31	542.89	2,026,438	-508	0	0	124	0	-132	
Total		200,660		113,583	337	4,309	0	-7,773	
Mean cfs		---		3,664	11	139	0	-251	
Acre-feet		200,660		225,288	670	8,541	0	-15,417	

1/ Pacheco Tunnel, San Felipe Split; Santa Clara: 7,309 AF, San Benito: 1,232 AF.

Table 16. San Luis Field Division Plant Data

(in acre-feet)

March 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping - Generating Plant				San Felipe Project
	Total Pumping	SWP Pumping 1/, 2/	Total Generation	SWP Generation 1/, 2/	Total Pumping	SWP Pumping 1/, 2/	Federal
1	8,092	3,614	334	334	6,171	494	140
2	9,328	7,219	336	336	10,491	553	146
3	8,491	6,382	0	0	19,691	-339	179
4	8,927	6,818	0	0	13,932	-299	159
5	10,347	8,260	0	0	20,630	-294	151
6	8,093	5,984	0	0	13,099	-48	182
7	9,096	6,987	0	0	14,443	-303	195
8	8,319	6,210	0	0	12,801	-222	186
9	4,134	3,156	0	0	12,636	-279	218
10	5,029	4,051	0	0	12,345	-8	250
11	4,431	3,453	0	0	12,282	7	248
12	5,535	4,492	0	0	12,203	110	268
13	7,787	6,809	0	0	6,443	92	272
14	6,038	5,060	0	0	5,081	-286	257
15	8,948	7,970	0	0	5,044	-30	231
16	10,568	9,590	0	0	6,226	-27	218
17	9,534	8,556	0	0	6,193	-74	218
18	11,182	10,204	0	0	5,280	-96	227
19	12,779	11,736	0	0	11,696	80	239
20	8,451	6,994	0	0	4,389	-74	275
21	10,728	9,271	0	0	4,385	-31	370
22	11,602	8,818	0	0	4,427	0	414
23	12,761	9,962	0	0	3,128	61	414
24	12,700	9,897	0	0	0	0	398
25	13,295	10,491	0	0	0	0	412
26	12,713	9,929	0	0	1,870	540	428
27	13,750	10,751	0	0	0	0	424
28	12,364	9,353	0	0	0	0	374
29	14,827	11,454	0	0	0	0	399
30	14,209	10,795	0	0	0	0	404
31	15,019	11,138	0	0	0	0	245
Total	309,077	245,404	670	670	224,886	-473	8,541

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

2/ Provisional, subject to change.

Table 17. Consolidated State-Federal Los Banos Reservoir

Daily Operations

March 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

State of California

The Resources Agency

Department of Water Resources

State Water Project

Capacity: 34,560 ac-ft

Date	Water Surface Elev. (in feet)	Storage (ac-ft)	Storage Change (ac-ft)	Estimated Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft)
					Spill	Outlet	
Feb 29	326.48	19,961					
1	326.37	19,910	-51	74	0	100	1
2	326.18	19,823	-87	56	0	100	0
3	326.32	19,887	64	66	0	33	-1
4	326.53	19,984	97	49	0	0	0
5	326.75	20,086	102	51	0	0	1
6	326.96	20,183	97	49	0	0	0
7	327.13	20,262	79	40	0	0	0
8	327.42	20,398	136	69	0	0	-1
9	327.76	20,557	159	80	0	0	0
10	327.53	20,449	-108	58	0	112	-1
11	327.71	20,533	84	65	0	23	1
12	327.85	20,599	66	50	0	17	1
13	327.42	20,398	-201	1	0	100	-5
14	327.40	20,388	-10	28	0	33	0
15	327.50	20,435	47	24	0	0	-1
16	327.57	20,468	33	17	0	0	-1
17	327.64	20,501	33	17	0	0	-1
18	327.72	20,538	37	19	0	0	-1
19	327.77	20,562	24	12	0	0	0
20	327.80	20,576	14	7	0	0	0
21	327.85	20,599	23	12	0	0	-1
22	327.89	20,618	19	10	0	0	-1
23	327.93	20,637	19	10	0	0	0
24	327.97	20,655	18	9	0	0	0
25	328.00	20,670	15	8	0	0	-1
26	328.03	20,684	14	7	0	0	0
27	328.08	20,707	23	12	0	0	-1
28	328.08	20,707	0	0	0	0	0
29	328.10	20,717	10	5	0	0	0
30	328.12	20,726	9	5	0	0	0
31	328.13	20,731	5	3	0	0	-1
Total			770	913	0	518	-13
Mean cfs			---	29	0	3	---
Acre-feet			770	1,811	0	1,028	-13

Table 18. Consolidated State-Federal Little Panoche Reservoir

Daily Operations

March 2000

United States

Department of the Interior

Bureau of Reclamation

Central Valley Project

Capacity: 5,580 ac-ft

State of California

The Resources Agency

Department of Water Resources

State Water Project

Date	Water Surface Elev. (in feet)	Storage (ac-ft) 1/	Storage Change (ac-ft) 1/	Computed Inflow (cfs)	Estimated Outflow (cfs)		Computed Losses (-) Gains (+) (ac-ft) 1/
					Spill	Outlet	
Feb 29	602.70	832					
1	602.65	829	-3	2	0	4	
2	602.65	829	0	4	0	4	
3	602.65	829	0	3	0	3	
4	602.65	829	0	3	0	3	
5	602.65	829	0	3	0	3	
6	602.60	826	-3	0	0	2	
7	Not Observed			2	0	2	
8	602.60	826	0	2	0	2	
9	602.60	826	0	2	0	2	
10	602.60	826	0	2	0	2	
11	Not Observed			2	0	2	
12	Not Observed			2	0	2	
13	Not Observed			2	0	2	
14	Not Observed			2	0	2	
15	Not Observed			2	0	2	
16	Not Observed			2	0	2	
17	602.60	826	0	2	0	2	
18	Not Observed			2	0	2	
19	Not Observed			2	0	2	
20	Not Observed			2	0	2	
21	Not Observed			2	0	2	
22	Not Observed			2	0	2	
23	Not Observed			2	0	2	
24	602.60	826	0	2	0	2	
25	602.60	826	0	2	0	2	
26	Not Observed			2	0	2	
27	Not Observed			2	0	2	
28	Not Observed			2	0	2	
29	Not Observed			2	0	2	
30	Not Observed			2	0	2	
31	602.60	826	0	2	0	2	
Total			-6	65	0	69	---
Mean cfs			---	2	0	2	---
Acre-feet			-6	129	0	137	2

1/ Not available on a daily basis

Table 19a. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries

(In acre-feet)

March 2000

Reach No.	Operating Pool			Turnout	Total Diver- sions	Deliveries					
	Beginning and Ending					USBR	Transfer	DWR	USBR		
	No.	Structure	Mile					Recreation	Recreation		
2B	12	Check No. 12	66.71		322,842			0	0		
3	13	O'Neill Forebay		Department of Parks and Recreation	0	584	42	35			
		Outlet Check No. 13	70.85	Department of Fish & Game	77						
		Thru	70.91	San Luis Water District	584						
			85.08	(Floodwater Inflow)	0						
				Reach 3 Subtotal:	661		0	42	35		
		Dos Amigos Pumping Plant	86.73		309,077						
4	14	Thru	89.03	San Luis Water District	3,894	3,894	596	4			
			94.06								
			89.66	Pacheco Water District	596						
			89.67								
			89.68	Panoche Water District	4						
		Thru	89.70	City of Dos Palos	85		85	1/ 3,573			
			95.06								
		Thru	98.15	San Luis Water District	320	320	1,942	2/ 2,224			
			104.20								
			96.15	Panoche Water District	1,942						
			102.64	(Floodwater Inflow)	0						
			102.64	Broadview Water District	0						
		Thru	105.22	Westlands Water District	5,797						
			108.64								
			108.50								
			Pacheco Water District Total:	596	596	0	0	0	0		
				0	0	0	0	0	0		
			Broadview Water District Total:	85	85	0	0	0	0		
				0	0	0	0	0	0		
			City of Dos Palos Total:	4,214	4,214	0	0	0	0		
				1,946	1,946	0	0	0	0		
			SLWD Reach 4 Subtotal:	4,798	4,798	0	0	0	0		
				5,797	0	5,797	0	0	0		

1/ Transfer from Lower Tule River ID per point of delivery agreement dated 12/21/99.

2/ Transfer from Pixley ID per point of delivery agreement dated 12/21/99.

Table 19b. Governor Edmund G. Brown California Aqueduct

San Luis Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2000

Reach No.	Operating Pool			Turnout	Total Diver-sions	Deliveries							
	Beginning and Ending					USBR	Transfer 1/	DWR	USBR				
	No.	Structure	Mile					Recreation	Recreation				
5	16		110.52	(Reverse flow, Kings River)	0	8,404	8,404	7,160	7,556				
			Thru	Westlands Water District	8,404								
			122.05	Department of Fish and Game	0								
		Check No. 16	122.07										
	17		124.18	Westlands Water District	7,160	224	7,556	6,939	0				
			Thru										
			132.74										
	Check No. 17		132.95										
	18		133.81	Westlands Water District	7,556								
			Thru										
			142.61										
		Pleasant Valley Pumping Plant	143.16	Westlands Water District	6,939								
			143.16	City of Coalinga	224								
6	19		Check No. 18	143.23									
				Westlands WD Reach 5 Subtotal:	30,059	0	30,059	0	0				
			145.26	Westlands Water District	9,374	6,032	1,866	1,476	0				
			Thru										
			151.19										
	Check No. 19		155.64										
				Westlands WD Reach 6 Subtotal:	9,374	6,032	3,342	0	0				
7	20		156.34	City of Huron	73	7,230	73	198	2,232				
			156.40	Westlands Water District	7,230								
			Thru										
			163.69										
	Check No. 20		164.69										
	21		164.79	City of Avenal	198								
			167.04	Westlands Water District	2,232								
			Thru										
			171.67										
	Check No. 21		172.40		247,749								
				Reach 7 Total:	9,733	9,733	0	0	0				
				Westlands WD Total:	54,692	15,494	39,198	0	0				
				City of Coalinga Total:	224	224	0	0	0				
				City of Huron Total:	73	73	0	0	0				
				City of Avenal Total:	198	198	0	0	0				
				Phase I Water Total:	8	0	0	0	0				
				Total San Luis Field Division Deliveries:	62,689	23,414	39,198	42	35				

1/ KCWA entitlement delivered to WWD in accordance to agreements made in July and August 1999.

Table 20. Consolidated State-Federal San Luis Canal 1/

Daily Operations
March 2000

United States
Department of the Interior
Bureau of Reclamation
Central Valley Project

State of California
The Resources Agency
Department of Water Resources
State Water Project

Date	Storage In Canal (ac-ft)	Storage Change (ac-ft)	Inflow (cfs)		Outflow (cfs)				Computed Losses (-) Gains (+) (cfs)
			Non- Project 2/	Dos Amigos Pumping Plant	Pools 14 & 15 3/	Pool 15	Pools 15 thru 21 4/	Flow Past Check 21	
Feb 29	28,662								
1	27,896	-766	0	4,080	42	9	487	3,930	2
2	28,675	779	0	4,703	69	35	481	3,850	125
3	28,111	-564	0	4,281	69	35	491	4,063	93
4	29,019	908	0	4,501	55	15	522	3,451	0
5	28,787	-232	0	5,217	55	30	500	4,926	177
6	28,470	-317	0	4,080	111	40	416	3,822	149
7	28,941	471	0	4,586	65	8	492	3,964	180
8	29,703	762	0	4,194	67	9	498	3,398	162
9	28,512	-1,191	0	2,084	75	12	385	2,326	113
10	28,559	47	0	2,535	83	20	403	1,955	-50
11	27,843	-716	0	2,234	68	13	443	2,089	18
12	26,411	-1,432	0	2,791	66	11	417	3,216	197
13	28,171	1,760	0	3,926	60	14	555	2,355	-55
14	27,394	-777	0	3,044	57	17	741	2,807	186
15	27,528	134	0	4,511	57	17	743	3,500	-127
16	27,866	338	0	5,328	76	27	853	4,033	-169
17	27,795	-71	0	4,807	76	31	971	3,844	79
18	27,998	203	0	5,638	82	21	836	4,243	-354
19	28,761	763	0	6,443	78	21	909	4,655	-395
20	27,841	-920	0	4,261	66	38	1,066	3,973	418
21	27,909	68	0	5,409	79	49	1,052	4,129	-66
22	27,552	-357	0	5,849	80	40	1,073	4,940	104
23	28,024	472	0	6,434	92	29	1,150	4,688	-237
24	27,762	-262	0	6,403	93	29	1,520	4,916	23
25	28,261	499	0	6,703	76	70	1,442	4,635	-229
26	28,138	-123	0	6,409	81	70	1,688	4,862	230
27	28,501	363	0	6,932	80	50	1,183	5,142	-294
28	27,406	-1,095	0	6,233	110	57	1,569	4,997	-52
29	27,414	8	0	7,475	111	62	1,565	5,785	52
30	27,866	452	0	7,164	144	51	1,697	5,192	148
31	29,121	1,255	0	7,572	145	51	1,679	5,221	157
Total		459	0	155,827	2,468	981	27,827	124,905	585
Mean cfs		---	0	5,027	80	32	898	4,029	19
Acre-feet		459	0	309,077	4,895	1,946	55,195	247,749	1,177

1/ San Luis Canal includes Pools 14 through 21 of the California Aqueduct.

2/ Pump In of Non-Project Water (0 AF @ Lat.7L) and Flood Water (0 AF) is included in the gain or loss.

3/ Includes 595 AF AG & 1 AF M&I to Pacheco W.D. and 85 AF to the City of Dos Palos.

4/ Includes 73 AF to the City of Huron, 198 AF to the City of Avenal, 224 AF to the City of Coalinga, 8 AF Phase I Water in pool 18 for 16R = 5, 19R = 1, pool 19 for 20R = 1, pool 21 for 29R = 1, and 0 AF to Broadview W.D.

Table 21. San Joaquin Field Division Plant Data

(in acre-feet)

March 2000

Date	Coastal Aqueduct					California Aqueduct			
	Las Perillas Pumping Plant	Badger Hill Pumping Plant	Devil's Den Pumping Plant	Bluestone Pumping Plant	Polonio Pass Pumping Plant	Buena Vista Pumping Plant	Teerink Pumping Plant	Chrisman Pumping Plant	Edmonston Pumping Plant
1	101	101	44	42	45	3,204	2,929	2,808	2,742
2	119	119	46	42	48	3,192	3,018	2,966	2,922
3	76	76	40	36	40	3,874	3,705	3,664	3,569
4	38	38	26	26	29	4,015	4,020	3,962	3,927
5	71	71	46	41	48	6,305	6,101	6,015	6,145
6	56	56	29	25	29	4,206	4,093	3,949	3,808
7	59	59	26	25	28	4,179	3,885	3,897	3,924
8	37	37	46	41	48	4,439	4,180	4,066	4,026
9	59	59	30	27	31	3,351	3,308	3,269	3,185
10	44	44	44	41	46	2,515	2,388	2,244	2,274
11	23	23	17	16	19	2,647	2,435	2,364	2,318
12	58	58	46	46	47	3,884	3,730	3,577	3,545
13	33	33	23	22	24	2,574	2,308	2,193	2,244
14	139	139	38	35	39	2,668	2,467	2,411	2,452
15	222	222	63	59	65	3,500	3,306	3,173	3,169
16	220	220	64	60	67	3,319	3,084	2,925	2,877
17	160	160	17	16	19	3,906	3,876	3,714	3,572
18	125	125	46	42	49	4,146	3,644	3,474	3,500
19	142	142	43	39	44	5,364	5,429	5,303	5,149
20	117	117	35	32	37	4,306	4,005	3,745	3,706
21	182	182	46	44	50	4,141	3,959	3,682	3,621
22	214	214	47	42	48	4,874	4,654	4,353	4,324
23	198	198	46	43	50	5,282	5,047	4,827	4,727
24	227	227	55	51	56	5,258	5,014	4,697	4,727
25	217	217	34	32	36	4,784	4,484	4,296	4,273
26	245	245	46	42	47	5,567	5,434	5,304	5,157
27	268	268	64	59	67	5,306	5,282	4,652	4,953
28	325	325	46	40	46	5,412	5,081	4,838	4,789
29	332	332	47	44	48	5,296	5,072	4,917	4,947
30	316	316	53	50	55	5,340	5,174	5,019	4,942
31	269	269	52	47	54	5,256	5,018	4,852	4,719
Total	4,692	4,692	1,305	1,207	1,359	132,110	126,130	121,156	120,233

Table 22a. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries

(In acre-feet)

March 2000

Reach No.	Operating Pool		Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending				Entitle-ment	USBR	Inter-ruptible Ent.	Stored Interrup-tible Ent. 1/	MWD Ent.	
	No.	Structure	Mile							
7	21	Check No. 21	172.40	247,749						
8C	22		Empire West Side Irrig. Dist. TL - A County of Kings TL - A TLBWSA TL-A 175.18 DRWD - 1 177.54 DRWD - 1B 180.64 TLBWSA - C 180.65 DRWD - 1A 182.99 DRWD - 2 183.00 Tulare Lake Basin WSD TL - B 184.63 Coastal Branch 184.78 Dudley Ridge Water Dist. DRWD - 3	373	373	12,172 966 141 4 2,710 25,709 172	12,172 966 141 4 2,710 25,709 172	0 0 3,993 0 0	0 0 0 0 0	
8D	31A		Check No. 22	184.82						
9	8D		Check No. 23	197.05						
10A	24		Check No. 24	207.94						
10A	25		K.C.W.A. Reach 10A Subtotal:	23,929						

1/ Semitropic WSD is storing 8,520 AF of this water for Santa Clara Valley WD, 1,500 AF for Alameda County WD, and 2,400 AF for Alameda County WD-Zone 7.

Table 22b. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries					
	Beginning and Ending		Structure			Entitlement	Federal Wheeling	Inter-ruptible Ent.	Stored Interrup-tible Ent.	Transfer 2/	
	No.	Structure	Mile								
11B	25		210.75	Kern County Water Agency Belridge - 2	0	2,952	974	1,645			
			214.11	Kern County Water Agency Belridge - 3	974						
			216.62	Kern County Water Agency Belridge - 4	0						
			217.13	Kern County Water Agency Belridge - 5	4,597						
				Kern County Water Agency Belridge - 5D	392						
		Check No. 25	217.79								
				K.C.W.A. Reach 11B Subtotal:	5,963	3,344	0	2,619	0	0	
12D	26		219.58	Kern County Water Agency Belridge - 6	0						
			Check No. 26	224.92							
12E	27		230.37	Kern County Water Agency Buena Vista - 6	24,968		24,178			790	
			Check No. 27	231.73							
			235.75	Kern County Water Agency Buena Vista - 2	0						
			238.04	Kern County WA CVC	0						
				DRWD CVC	0						
				Tulare Co.	0						
				Lower Tule River	0						
				Fresno Co.	0						
				Pixley ID	0						
				Hacienda DWR Wells	0						
		Check No. 28	238.11								
				1/ Arvin Edison Total:	0	0	0	0	0	0	
				Reach 12E Subtotal:	24,968	0	0	24,178	0	790	
13B	29		241.02	Kern River Intertie (inflow)	0		374	332			
				KCWA Buena Vista WSD - 7	0						
			242.85	KCWA Buena Vista WSD - 5	0						
			243.09	Kern County Water Agency Buena Vista - 3	0						
		Check No. 29	244.54	Buena Vista WSD	0						
			249.85	Kern County Water Agency Buena Vista - 4	706						
			250.99		132,110						
				K.C.W.A. Reach 13B Subtotal:	706	374	0	332	0	0	
14A	31		254.47	Kern County Water Agency West Kern - 2	0	102					
			256.11	Kern County Water Agency Wheeler Ridge-Maricopa - 2	102						

1/ Arvin Edison Contractors include Rag Gulch WD, Kern-Tulare WD, Fresno County, Hills Valley ID, Tri Valley WD, Tulare County, Lower Tule River ID, and Pixley ID.

2/ Transfer of Dudley Ridge SD Interruptible Entitlement to Kern Water Bank per DRWD letter dated 1/12/2000.

Table 22c. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Continued)

(In acre-feet)

March 2000

Reach No.	Operating Pool			Turnout	Total Diversions	Deliveries						
	Beginning and Ending					Entitlement	Carryover Ent.	Inter-ruptible Ent.	Exchange	MWD Ent.		
	No.	Structure	Mile									
14A	31	Check No. 31	256.14			102						
	32		258.61	Kern County Water Agency Wheeler Ridge-Maricopa - 3	102							
			260.44	Kern County Water Agency Wheeler Ridge-Maricopa - 4	1,347							
			261.72									
				KCWA Reach 14A Subtotal:	1,551	822	0	729	0	0		
14B	33		264.42	Kern County Water Agency Wheeler Ridge-Maricopa - 5	3,223	1,610						
			266.91	Kern County Water Agency Wheeler Ridge-Maricopa - 6	171							
			267.36									
	34		270.24	Kern County Water Agency Wheeler Ridge-Maricopa - 7	2,463							
			271.27									
				Reach 14B Total:	5,857	1,494						
						3,104	0	2,753	0	0		
14C	35		272.39	Kern County Water Agency Wheeler Ridge-Maricopa - 8	1,029	263						
			276.09	Kern County Water Agency Wheeler Ridge-Maricopa - 9	600							
				Reach 14C Total:	1,629		0	766	0	0		
15A	36	Teerink Pumping Plant	278.13		126,130	863						
				Kern County Water Agency Wheeler Ridge-Maricopa - 9A	81							
				Kern County Water Agency Wheeler Ridge-Maricopa - 10	1,844							
				Reach 15-A Total:	1,925		0	824	0	0		
16A	37	Chrisman Pumping Plant	280.36		121,156	1,020						
				Kern County Water Agency Wheeler Ridge-Maricopa - 11	0							
				Check No. 37	283.95							
	38		285.01	Kern County Water Agency Wheeler Ridge-Maricopa - 12	0							
				Kern County Water Agency Wheeler Ridge-Maricopa - 13A	41							
				Kern County Water Agency Wheeler Ridge-Maricopa - 13	0							
				Check No. 38	287.09							
	39		287.62	Kern County Water Agency Wheeler Ridge-Maricopa - 13B	70	70						
				Check No. 39	290.21							
	40		291.26	Kern County Water Agency Wheeler Ridge-Maricopa - 14	688	300						
			293.07	Kern County Water Agency Wheeler Ridge-Maricopa - 15	42							
				Kern County Water Agency Tehachapi Cummings CWD	247							
				K.C.W.A. Reach 16A Subtotal:	1,088		124		123			
							577	0	511	0		
17E	Edmonston Pumping Plant	293.45			120,233							

Table 23. Governor Edmund G. Brown California Aqueduct

San Joaquin Field Division, Monthly Deliveries (Coastal Branch)

(In acre-feet)

March 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitle-ment	Carryover Ent.	Inter-ruptible Ent.	Exchange	Purchase Pool B	
	No.	Structure	Mile							
31A	C-1	Coastal Branch Control	0.02		4,692					
		Las Perillas Pumping Plant	1.16		4,692					
	C-2		3.79	Green Valley Water District	0					
		Badger Hill Pumping Plant	4.27		4,692					
	C-3	Coastal Check No. 3	7.21							
	C-4		9.34	Castaic Lake WA (Devil's Den WD #1)	0					
		Coastal Check No. 4	9.34							
	C-5	Coastal Check No. 5	12.20							
	C-6		13.30	Kern County Water Agency Berrenda Mesa - 3	88	88				
			14.83	Kern County Water Agency Berrenda Mesa - DD	0					
				Kern County Water Agency Berrenda Mesa - PO	2,182	1,115	1,067			
		Devil's Den Pumping Plant	14.86		1,305					
				K.C.W.A. Reach 31A Subtotal:	2,270	1,203	0	1,067	0	
				K.C.W.A. Total:	75,174	20,283	0	41,681	12,420	
									790	
33A	C-7	Bluestone Pumping Plant	19.05		1,207					
	C-8	Polonio Pass Pumping Plant	26.54		1,359					
	C-9	Tank Site 1	27.81	(CCWA) Polonio Pass Treatment Plant						
	C-10	Shandon T.O.	38.23	Santa Barbara County (CCWA)	0					
		Tank Site 2	58.63	Central Coast:	0					
34	C-11	Chorro Valley T.O.	69.31	San Luis Obispo County (CCWA)	0					
		Energy Dissipater	78.12							
	Lopez T.O.	85.86		SLOCFC & WCD	0	0	0	0	0	
				CCWA Total:	0					
35	C-12	Guadalupe T.O.	102.70	SBCFC & WCD	0					
		Santa Maria T.O.	107.43	SBCFC & WCD	0					
		So. Cal. Water T.O.	109.20	SBCFC & WCD	0					
38				SBCFC & WCD Total:	0	0	0	0	0	
		Tank Site 5	115.42							

Table 24. Southern Field Division Plant Data

(in acre-feet)

March 2000

Date	West Branch					East Branch									Devil Canyon Powerplant Generation
	Oso Pumping Plant	Warne Powerplant		Castaic Powerplant		Alamo Powerplant			Pearblossom Pumping Plant	Mojave Siphon Powerplant			Devil Canyon Powerplant Generation		
		Generation	Leakage	Generation	Pumpback	Generation	Bypass Through Plant	Cottonwood Chute		Generation	Leakage	Bypass Flume			
1	863	1,238	0	1,169	0	1,892	0	37	1,844	1,696	0	0	2,097		
2	806	1,519	0	1,665	0	2,045	0	48	2,071	1,934	0	0	2,440		
3	909	1,211	0	549	0	2,700	0	27	2,385	2,280	0	0	2,329		
4	1,381	766	0	1,383	200	2,546	0	0	2,209	2,301	0	0	2,358		
5	2,341	592	0	1,065	0	3,462	0	200	3,474	1,442	0	1,181	2,609		
6	527	1,035	0	3,050	0	3,124	0	207	2,758	1,430	0	1,427	2,533		
7	1,043	1,046	0	631	12	2,870	0	0	3,080	3,762	0	0	2,375		
8	948	1,136	0	994	905	3,031	0	88	3,132	2,823	0	0	2,316		
9	724	728	0	545	669	1,509	0	987	2,087	2,590	0	0	2,263		
10	697	690	0	2,668	0	1,533	0	0	1,464	1,467	0	0	2,454		
11	733	962	0	105	49	1,604	0	0	1,429	1,389	0	0	1,937		
12	1,182	206	0	376	1,375	2,272	0	0	1,854	1,965	0	0	2,102		
13	475	1,041	0	1,193	0	1,715	0	0	1,903	1,715	0	0	2,160		
14	692	1,113	0	1,818	0	1,756	0	0	1,456	1,377	0	0	2,268		
15	999	1,153	0	3,015	535	1,836	0	299	2,128	1,950	0	0	2,001		
16	889	1,161	0	2,779	483	1,965	0	0	1,875	1,827	0	0	1,988		
17	1,038	1,116	0	325	0	2,459	0	62	2,125	2,317	0	0	2,419		
18	989	1,249	0	900	535	2,487	0	69	2,051	2,155	0	0	2,306		
19	1,613	4	0	2,420	1,811	3,564	0	0	3,151	2,837	0	0	2,592		
20	232	704	0	3,455	1,478	93	0	3,323	3,061	3,548	0	0	2,747		
21	816	1,008	0	2,170	0	577	0	2,260	2,612	2,586	0	0	2,693		
22	1,055	1,057	0	692	0	3,185	0	47	3,061	2,995	0	0	2,636		
23	1,779	2,150	0	1,588	511	3,007	0	0	2,876	2,819	0	0	2,650		
24	1,642	2,209	0	3,150	698	3,025	0	0	2,742	3,150	0	0	2,631		
25	1,615	2,119	0	2,039	0	2,765	0	0	2,419	2,469	0	0	2,506		
26	1,796	8	0	1,091	1,362	3,262	0	0	2,598	2,622	0	0	2,430		
27	2,392	2,752	0	4,703	820	2,611	0	33	2,660	2,777	0	0	2,706		
28	2,318	2,733	0	3,556	801	2,512	0	0	2,460	2,582	0	0	2,236		
29	2,395	2,665	0	3,842	2,084	2,584	0	0	2,205	2,311	0	0	2,810		
30	2,388	2,653	0	4,862	2,136	2,570	0	0	2,043	2,019	0	0	2,312		
31	2,584	2,787	0	5,202	1,369	2,113	0	0	2,043	1,742	0	0	2,273		
Total	39,861	40,811	0	63,000	17,833	72,674	0	7,687	73,256	70,877	0	2,608	74,177		

Table 25. Pyramid Lake
Daily Operation

Capacity: 171,200 ac-ft

(in acre-feet except as noted)

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow			Computed Losses (-) Gains (+)	
				Project		Natural	Project		Natural		
				Castaic Powerplant Pumpback	Warne Powerplant	Stream Flow	Castaic Powerplant Generation	Recreation Deliveries	To Piru Creek		
Feb 29	2577.21	168,883									
1	2577.33	169,038	155	0	1,238	204	1,169	0	198	80	
2	2577.09	168,729	-309	0	1,519	181	1,665	0	198	-146	
3	2577.54	169,308	579	0	1,211	168	549	0	169	-82	
4	2577.28	168,973	-335	200	766	189	1,383	0	149	42	
5	2576.91	168,498	-475	0	592	226	1,065	0	397	169	
6	2575.34	166,490	-2,008	0	1,035	220	3,050	0	168	-45	
7	2575.59	166,808	318	12	1,046	195	631	0	99	-205	
8	2576.72	168,254	1,446	905	1,136	214	994	0	99	284	
9	2577.41	169,141	887	669	728	210	545	0	99	-76	
10	2576.03	167,370	-1,771	0	690	199	2,668	0	99	107	
11	2576.77	168,318	948	49	962	212	105	0	99	-71	
12	2577.79	169,630	1,312	1,375	206	214	376	0	99	-8	
13	2577.59	169,372	-258	0	1,041	210	1,193	0	99	-217	
14	2577.24	168,922	-450	0	1,113	213	1,818	0	99	141	
15	2576.26	167,664	-1,258	535	1,153	213	3,015	0	99	-45	
16	2575.33	166,477	-1,187	483	1,161	202	2,779	0	99	-155	
17	2575.92	167,230	753	0	1,116	185	325	0	149	-74	
18	2576.54	168,023	793	535	1,249	165	900	0	149	-107	
19	2576.01	167,345	-678	1,811	4	154	2,420	0	149	-78	
20	2575.18	166,286	-1,059	1,478	704	169	3,455	0	99	144	
21	2574.22	165,067	-1,219	0	1,008	140	2,170	0	99	-98	
22	2574.34	165,219	152	0	1,057	119	692	0	99	-233	
23	2575.24	166,362	1,143	511	2,150	106	1,588	0	99	63	
24	2574.87	165,892	-470	698	2,209	100	3,150	0	99	-228	
25	2574.90	165,930	38	0	2,119	95	2,039	0	99	-38	
26	2575.13	166,222	292	1,362	8	90	1,091	0	99	22	
27	2574.21	165,054	-1,168	820	2,752	86	4,703	0	99	-24	
28	2574.04	164,839	-215	801	2,733	84	3,556	0	69	-208	
29	2574.81	165,815	976	2,084	2,665	79	3,842	0	65	55	
30	2574.69	165,663	-152	2,136	2,653	75	4,862	0	51	-103	
31	2573.79	164,523	-1,140	1,369	2,787	72	5,202	0	51	-115	
Total				-4,360	17,833	40,811	4,989	63,000	0	3,744	-1,249

Table 26. Elderberry Forebay

Daily Operation
(in acre-feet except as noted)

Capacity: 32,746 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow		Outflow			Computed Losses (-) Gains (+)	
				Castaic Powerplant Generation	Natural	Castaic Powerplant Pumpback	To Castaic Lake			
							Natural	Project		
Feb 29	1506.14	17,729								
1	1508.93	18,775	1,046	1,169	33	0	33	0	-123	
2	1506.52	17,869	-906	1,665	18	0	18	2,530	-41	
3	1502.15	16,283	-1,586	549	21	0	21	1,739	-396	
4	1505.44	17,471	1,188	1,383	27	200	27	0	5	
5	1508.86	18,748	1,277	1,065	186	0	186	0	212	
6	1516.90	21,939	3,191	3,050	168	0	168	0	141	
7	1510.99	19,567	-2,372	631	161	12	161	2,349	-642	
8	1512.50	20,159	592	994	571	905	571	0	503	
9	1504.69	17,197	-2,962	545	271	669	271	2,635	-203	
10	1506.35	17,806	609	2,668	159	0	159	1,689	-370	
11	1506.90	18,011	205	105	114	49	114	0	149	
12	1504.32	17,062	-949	376	88	1,375	88	0	50	
13	1507.76	18,332	1,270	1,193	68	0	68	0	77	
14	1506.80	17,973	-359	1,818	54	0	54	2,202	25	
15	1505.40	17,456	-517	3,015	46	535	46	2,966	-31	
16	1511.62	19,813	2,357	2,779	40	483	40	0	61	
17	1504.58	17,157	-2,656	325	35	0	35	2,860	-121	
18	1505.73	17,577	420	900	32	535	32	0	55	
19	1507.45	18,216	639	2,420	30	1,811	30	0	30	
20	1512.51	20,163	1,947	3,455	28	1,478	28	0	-30	
21	1517.82	22,321	2,158	2,170	24	0	24	0	-12	
22	1512.56	20,183	-2,138	692	22	0	22	2,801	-29	
23	1515.32	21,290	1,107	1,588	21	511	21	0	30	
24	1513.28	20,468	-822	3,150	20	698	20	3,279	5	
25	1511.13	19,622	-846	2,039	19	0	19	2,848	-37	
26	1510.74	19,470	-152	1,091	18	1,362	18	0	119	
27	1520.07	23,270	3,800	4,703	16	820	16	0	-83	
28	1516.94	21,955	-1,315	3,556	16	801	16	4,073	3	
29	1512.08	19,993	-1,962	3,842	15	2,084	15	3,726	6	
30	1508.16	18,483	-1,510	4,862	15	2,136	15	4,241	5	
31	1508.52	18,619	136	5,202	12	1,369	12	3,694	-3	
Total				890	63,000	2,348	17,833	2,348	43,632	
									-645	

Table 27. Castaic Lake

Daily Operation

(in acre-feet except as noted)

Capacity: 323,699 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow			Outflow		Computed Losses (-) Gains (+)	
				From Elderberry Forebay		Natural	Deliveries	Released To Castaic Lagoon		
				Natural	Project					
Feb 29	1500.02	291,228								
1	1499.59	290,326	-902	33	0	30	864	79	-22	
2	1500.53	291,880	1,554	18	2,530	25	976	40	-3	
3	1500.87	293,017	1,137	21	1,739	23	993	40	387	
4	1500.45	292,132	-885	27	0	20	1,001	40	109	
5	1500.14	291,480	-652	186	0	122	966	40	46	
6	1499.75	290,661	-819	168	0	132	945	73	-101	
7	1500.77	292,806	2,145	161	2,349	91	982	99	625	
8	1500.47	292,174	-632	571	0	276	923	99	-457	
9	1501.54	294,431	2,257	271	2,635	191	883	99	142	
10	1502.14	295,701	1,270	159	1,689	112	951	99	360	
11	1501.72	294,812	-889	114	0	82	992	0	-93	
12	1501.27	293,861	-951	88	0	66	992	0	-113	
13	1500.82	292,911	-950	68	0	53	1,034	0	-37	
14	1501.41	294,156	1,245	54	2,202	48	1,020	0	-39	
15	1502.28	295,998	1,842	46	2,966	42	1,194	0	-18	
16	1501.72	294,812	-1,186	40	0	37	1,223	0	-40	
17	1502.52	296,507	1,695	35	2,860	32	1,327	0	95	
18	1501.89	295,172	-1,335	32	0	32	1,361	0	-38	
19	1501.25	293,818	-1,354	30	0	30	1,387	0	-27	
20	1500.49	292,216	-1,602	28	0	30	1,480	0	-180	
21	1499.78	290,724	-1,492	24	0	27	1,521	0	-22	
22	1500.40	292,027	1,303	22	2,801	25	1,624	0	79	
23	1499.59	290,326	-1,701	21	0	24	1,665	0	-81	
24	1500.37	291,964	1,638	20	3,279	24	1,666	0	-19	
25	1501.03	293,354	1,390	19	2,848	22	1,587	0	88	
26	1500.28	291,775	-1,579	18	0	21	1,555	0	-63	
27	1499.56	290,263	-1,512	16	0	20	1,563	0	15	
28	1500.72	292,701	2,438	16	4,073	19	1,680	0	10	
29	1501.65	294,664	1,963	15	3,726	19	1,638	0	-159	
30	1502.82	297,144	2,480	15	4,241	18	1,738	0	-56	
31	1503.69	298,997	1,853	12	3,694	16	1,799	0	-70	
Total				7,769	2,348	43,632	1,709	39,530	708	318

Table 28. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (West Branch)

(In acre-feet)

March 2000

Reach No.	Operating Pool		Turnout	Total Diver-sions	Deliveries					
	Beginning and Ending				Entitle-ment	Rec.	Local	Inter-ruptible Ent.	CLWA T1	
	No.	Structure	Mile							
29A	42	Oso Pumping Plant	1.49		39,861					
29F	W2	Quail Lake	5.02	Antelope Valley-East Kern Water Agency	Re-moved					
		Quail Lake Embankment	7.82	Antelope Valley-East Kern Water Agency	Stub					
		Warne Power Plant	14.07		40,811					
29H	W3	Pyramid Lake		Calif. State Park Pyramid Recreation	0					
		Pyramid Dam	17.10	Piru Creek Fish Enhancement	0					
29J	W3	Castaic Power Plant	25.82	(17,833 AF pumpback)	63,000					
		Elderberry Forebay								
	W4	Forebay Dam	28.12							
		Castaic Lake		Calif. State Park Castaic Lake Recreation	13					
30 1/	W5	Castaic Dam	31.47							
		Castaic Lake Outlet	31.55	MWD - 78"	37,341					
				MWD - 132"	2,022					
				MWD-Castaic Lake WA - T1	-2,022					
				Castaic Lake WA - T1	2,022					
				Castaic Lake WA	0					
				United Water Conservation Dist.	0					
				MWD - Ventura County FCD	154					
				LA Co. Parks & Recreation	0					
				Releases to Lagoon	708					
				Reach 30 Subtotal:	39,530	2,176	13	0	37,341	
	W6	Castaic Lagoon		Recreation to Lagoon	66					
		Castaic Lagoon Outlet	31.87		886					

1/ Reach 30 actually terminates at mile 31.50. It is shown here as including the outlet works at mile 31.55.

All deliveries from the outlet works and from the Lagoon are billed to Reach 30.

Table 29. Silverwood Lake

Daily Operation
(in acre-feet except as noted)

Capacity: 74,970 ac-ft

March 2000

Date	Water Surface Elev. (in feet)	Storage	Storage Change	Inflow			Outflow				Del. To Mojave W.A.	Natural To Mojave River	Las Flores Ranch Exchange 2/	
				Mojave Siphon Power-plant	Mojave Bypass Flume	Natural Stream Inflow	Project	Delivered to CLAWA	Rec.	San Bernardino Tunnel 1/				
Feb 29	3349.00	69,238												
1	3348.66	68,921	-317	1,696	0	32	4	1	2,097	0	0	57	46	
2	3348.10	68,400	-521	1,934	0	28	4	0	2,440	0	1	-38	46	
3	3348.18	68,474	74	2,280	0	25	5	0	2,329	0	0	103	46	
4	3348.09	68,391	-83	2,301	0	24	2	0	2,358	0	1	-47	46	
5	3348.60	68,865	474	1,442	1,181	132	0	0	2,609	0	0	328	46	
6	3349.12	69,351	486	1,430	1,427	107	0	0	2,533	0	1	56	46	
7	3350.60	70,742	1,391	3,762	0	75	0	0	2,375	0	0	-71	46	
8	3351.60	71,691	949	2,823	0	293	6	0	2,316	0	48	203	46	
9	3352.02	72,092	401	2,590	0	185	5	0	2,263	0	96	-10	46	
10	3351.12	71,235	-857	1,467	0	112	4	0	2,454	0	57	79	46	
11	3350.68	70,818	-417	1,389	0	96	5	0	1,937	0	1	41	46	
12	3350.63	70,771	-47	1,965	0	85	4	1	2,102	0	1	11	46	
13	3350.30	70,459	-312	1,715	0	77	4	0	2,160	0	1	61	46	
14	3349.27	69,491	-968	1,377	0	74	2	0	2,268	0	32	-117	46	
15	3349.11	69,341	-150	1,950	0	67	0	0	2,001	0	81	-85	46	
16	3348.91	69,154	-187	1,827	0	61	5	0	1,988	0	80	-2	39	
17	3348.90	69,145	-9	2,317	0	55	4	0	2,419	0	83	125	36	
18	3348.61	68,874	-271	2,155	0	48	5	0	2,306	0	81	-82	36	
19	3348.82	69,070	196	2,837	0	45	5	0	2,592	0	79	-10	35	
20	3349.61	69,810	740	3,548	0	41	4	0	2,747	0	33	-65	35	
21	3349.51	69,716	-94	2,586	0	34	4	0	2,693	0	1	-16	35	
22	3350.01	70,186	470	2,995	0	30	4	0	2,636	0	1	86	13	
23	3350.11	70,280	94	2,819	0	28	4	0	2,650	0	1	-98	0	
24	3350.74	70,875	595	3,150	0	26	1	0	2,631	0	2	53	0	
25	3350.78	70,913	38	2,469	0	25	0	0	2,506	0	0	50	0	
26	3350.89	71,017	104	2,622	0	23	0	0	2,430	0	2	-109	0	
27	3351.09	71,207	190	2,777	0	23	0	0	2,706	0	0	96	0	
28	3351.34	71,444	237	2,582	0	22	3	0	2,236	0	2	-126	0	
29	3350.86	70,989	-455	2,311	0	21	3	0	2,810	0	0	26	0	
30	3350.76	70,894	-95	2,019	0	18	3	0	2,312	0	2	185	0	
31	3350.40	70,554	-340	1,742	0	17	3	0	2,273	0	0	177	0	
Total				1,316	70,877	2,608	1,929	93	2	74,177	0	687	861	919

1/ Due to the erratic operation of the Devel Canyon meter, 231 AF were added to the total.

2/ Project water delivered from Mojave Siphon in exchange for like amount of Natural Streamflow.

Table 30. Lake Perris

Daily Operation

(in acre-feet except as noted)

Capacity: 131,452 ac-ft

March 2000

Date	Water Surface Elevation (in feet)	Storage	Storage Change	Inflow 1/	Outflow 2/	Computed Losses (-) Gains (+) 1/
Feb 29	1585.08	120,215				
1	1585.07	120,192	-23		11	
2	1585.06	120,170	-22		10	
3	1585.02	120,081	-89		138	
4	1585.03	120,103	22		9	
5	1585.07	120,192	89		13	
6	1585.07	120,192	0		10	
7	1585.05	120,147	-45		11	
8	1585.06	120,170	23		10	
9	1585.07	120,192	22		11	
10	1585.09	120,237	45		11	
11	1585.07	120,192	-45		10	
12	1585.07	120,192	0		10	
13	1585.05	120,147	-45		11	
14	1585.05	120,147	0		11	
15	1585.04	120,125	-22		10	
16	1585.02	120,080	-45		10	
17	1585.01	120,058	-22		9	
18	1585.00	120,035	-23		10	
19	1585.00	120,035	0		10	
20	11584.91	119,833	-202		10	
21	1584.91	119,833	0		10	
22	1584.91	119,833	0		10	
23	1584.87	119,744	-89		10	
24	1584.86	119,721	-23		14	
25	1584.85	119,699	-22		110	
26	1584.85	119,699	0		110	
27	1584.76	119,497	-202		142	
28	1584.66	119,273	-224		208	
29	1584.56	119,049	-224		208	
30	1584.46	118,826	-223		208	
31	1584.33	118,535	-291		208	
Total			-1,680	531	1,573	-638

1/ Project inflow is a calculated total. Negative total caused by meter measurement inaccuracies (within acceptable tolerances).

2/ Includes deliveries to MWD from Reach 28J and recreation water to California State Park at lake Perris.

Table 31a. Governor Edmund G. Brown California Aqueduct

Southern Field Division, Monthly Deliveries (East Branch)

(In acre-feet)

March 2000

Reach No.	Operating Pool		Turnout	Total Diversions	Deliveries					
	Beginning and Ending				Entitlement	Rec.	Transfer	14B M & I Entitlement		
	No.	Structure	Mile					Entitlement	Transfer Local Out	
17E	40	Edmonston Pumping Plant	293.45		120,233			2		
	41		298.65	Kern County Water Agency Tej.-Cas	Stub					
17F		Check No. 41	303.41							
18A	42	Check No. 42	304.99							
19		Alamo Powerplant	305.73	(Does not include 7,687 AF flow down Cottonwood Chute)	72,674			1,672	91	
			308.05	Antelope Valley-East Kern WA	0					
	43	Check No. 43	309.70							
			311.84	LADWP Connection	0					
			313.50	AVEK 245th Street West	0					
	44	Check No. 44	314.81							
			314.93	AVEK 235th Street West	2					
			315.57	AVEK 225th Street West	0					
	45	Check No. 45	319.74							
	46		323.19	Antelope Valley-East Kern WA Fairmont	1,763					
		Check No. 46	323.84							
				Reach 19 Total:	1,765	1,674	0	91	0	
20A	47	Check No. 47	326.77					32		
			326.91	Antelope Valley-East Kern WA Willow Springs Siphon	32					
			329.65	Antelope Valley-East Kern WA 120th Street West	Re-moved					
		Check No. 48	330.82							
	49	Check No. 49	335.93							
			336.73	AVEK WA - Quartz Hill (Wheeled for Palmdale WD)	0					
				Antelope Valley-East Kern WA	1,937					
20B	50							1,937	155	
		Check No. 50	341.51							
	51	Check No. 51	342.07							
			342.80	Antelope Valley-East Kern WA 30th Street West	Not in Use					
		Check No. 52	343.74							
21			346.98	PWD Palmdale	155					
			348.14	Antelope Valley-East Kern WA Acton Treatment Plant	0					
		Check No. 53	348.17							
	54	Check No. 54	350.25							
	55	Check No. 55	352.70							
22A	56	Check No. 56	354.76					91	264	
			354.97	Littlerock Creek I.D.	0					
	57	Check No. 57	356.93							
			357.60	Antelope Valley-East Kern WA	0					
			357.72	Antelope Valley-East Kern WA 96th Street East	91					
			359.82	Antelope Valley-East Kern WA East Side Treatment Plant	264					

Table 31b. Governor Edmund G. Brown California Aqueduct
Southern Field Division, Monthly Deliveries (East Branch, Continued)

(In acre-feet)

March 2000

Table 32. Water Quality At Selected SWP Locations

March 2000

Constituent	Units	Thermalito Afterbay At Outlet	North Bay Aqueduct Barker Slough Pumping Plant	Banks Pumping Plant	Delta Mendota Canal At McCabe Rd.	California Aqueduct				Devil Canyon Afterbay Near San Bernardino
						O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Hwy 119 (Check 29)	Tehachapi Afterbay (Check 41)	
Alkalinity	mg/l	39	98	47	46	50	54	55	56	69
Arsenic	mg/l	< 0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.002	0.002
Boron	mg/l	< 0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2
Bromide	mg/l	< 0.01	0.02	0.06	0.05	0.07	0.07	0.07	0.07	0.14
Calcium	mg/l	8	13	14	14	16	18	18	18	19
Carbon - Total Organic	mg/l	NR	15	4	4	4	5	NR	5	4
Chloride	mg/l	1	12	25	23	29	33	34	34	56
Chromium	mg/l	< 0.005	0.009	< 0.005	< 0.005	< 0.005	0.005	0.006	0.006	0.006
Copper	mg/l	0.001	0.004	0.002	0.002	0.003	0.003	0.003	0.003	0.003
Fluoride	mg/l	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Hardness	mg/l	36	78	64	60	73	82	82	82	85
Iron	mg/l	< 0.005	0.127	0.012	0.005	0.018	0.026	0.023	0.026	0.024
Lead	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Magnesium	mg/l	4	11	7	6	8	9	9	9	9
Manganese	mg/l	< 0.005	0.054	0.023	< 0.005	0.013	0.006	< 0.005	< 0.005	< 0.005
Nitrate + Nitrite	mg/l	0.03	0.08	0.13	NR	NR	NR	NR	1.10	1.20
Phosphorus-Ortho	mg/l	< 0.01	0.08	0.08	NR	NR	NR	NR	0.11	0.09
Phosphorus-Total	mg/l	0.02	0.12	0.10	NR	NR	NR	NR	0.17	0.13
Selenium	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Sodium	mg/l	3	24	24	22	27	28	30	29	31
Specific Conductance	µS/cm	84	260	259	247	291	316	328	331	427
Sulfate	mg/l	< 0.1	12	31	29	35	39	41	41	41
Total Dissolved Solids	mg/l	54	147	147	137	162	179	187	193	237
Trihalomethane										
Formation Potential	µg/l	NR	NR	NR	NR	NR	NR	NR	NR	
Turbidity	NTU	7	53	9	20	13	22	10	16	6
Zinc	mg/l	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	< 0.005

mg/l milligrams per liter

µg/l micrograms per liter

µS/cm microSiemens per centimeter

NR - Not Reported

NTU - nephelometric turbidity units

Table 33. Water Quality At Selected Delta Stations

March 2000

Date	Tides (ft. above mean sea level)		Flow In CFS			Electrical Conductivity in milliSiemens/cm								Cl in mg/l	
			Net Delta Outflow Index		Rio Vista	Antioch	Chipps Island	Emmaton		Jersey Point		Clifton Court	Cache Slough	Delta Mendota Canal	
	(Antioch) Daily Mean		Mean Daily	Monthly Average				md	md	md	14dm	md	14dm	md	
	Hi	Half			md	md	md	md	14dm	md	14dm	md	md	md	
1	3.14	1.62	183,273	183,273	154,803	0.18	0.00	0.12	0.13	0.18	0.18	0.30	0.54	0.34	108
2	3.27	1.67	180,385	181,829	147,868	0.17	0.00	0.12	0.13	0.18	0.18	0.27	0.63	0.33	105
3	3.46	1.70	170,912	178,190	140,789	0.17	0.00	0.00	0.13	0.18	0.18	0.26	0.73	0.32	108
4	3.71	1.94	160,161	178,190	132,087	0.17	0.00	0.13	0.13	0.17	0.18	0.22	0.77	0.32	122
5	3.99	2.18	150,888	171,364	132,515	0.17	0.00	0.00	0.13	0.17	0.18	0.26	0.52	0.33	117
6	3.72	1.99	152,824	167,656	136,581	0.18	0.00	0.00	0.13	0.17	0.18	0.30	0.44	0.34	108
7	3.48	1.91	157,252	165,922	135,201	0.17	0.00	0.00	0.13	0.18	0.18	0.29	0.55	0.34	108
8	3.41	1.86	156,775	164,616	140,587	0.18	0.00	0.00	0.13	0.18	0.18	0.26	0.60	0.32	137
9	3.59	1.82	167,654	164,995	140,541	0.18	0.00	0.00	0.13	0.18	0.18	0.21	0.40	0.27	125
10	3.31	1.43	167,878	165,316	137,251	0.17	0.00	0.00	0.13	0.18	0.18	0.20	0.43	0.26	155
11	3.23	1.31	163,902	165,174	130,736	0.19	0.00	0.00	0.13	0.19	0.18	0.22	0.60	0.28	137
12	3.22	1.39	154,853	164,236	124,833	0.19	0.00	0.00	0.12	0.19	0.18	0.22	0.71	0.29	158
13	3.24	1.45	145,603	162,683	115,837	0.19	0.00	0.00	0.12	0.19	0.18	0.26	0.77	0.29	143
14	3.18	1.40	137,091	160,715	102,783	0.19	0.00	0.14	0.12	0.19	0.18	0.24	0.82	0.28	90
15	3.28	1.50	123,635	158,066	85,124	0.18	0.00	0.14	0.13	0.18	0.18	0.26	0.85	0.29	142
16	3.50	1.62	104,470	154,493	70,094	0.18	0.31	0.15	0.15	0.19	0.18	0.29	0.87	0.29	150
17	3.05	1.16	88,089	150,343	57,856	0.19	0.30	0.15	0.15	0.19	0.18	0.31	0.88	0.30	132
18	3.13	1.16	72,813	145,782	53,903	0.18	0.00	0.15	0.15	0.19	0.18	0.31	0.89	0.30	138
19	3.21	1.31	66,418	141,373	50,471	0.18	0.00	0.15	0.15	0.19	0.19	0.37	0.89	0.32	108
20	2.72	1.01	61,421	137,165	46,746	0.19	0.00	0.16	0.15	0.20	0.19	0.42	0.88	0.34	108
21	2.67	0.98	59,055	133,260	42,572	0.19	0.00	0.17	0.15	0.20	0.19	0.97	0.87	0.35	90
22	2.94	1.16	52,589	129,418	39,204	0.19	0.00	0.17	0.16	0.19	0.19	0.36	0.89	0.32	95
23	3.01	1.18	48,255	125,729	36,716	0.19	0.00	0.17	0.16	0.19	0.19	0.37	0.90	0.35	97
24	2.98	1.15	46,171	122,270	34,291	0.20	0.00	0.16	0.16	0.19	0.19	0.39	0.89	0.38	85
25	2.85	1.11	47,868	119,170	32,356	0.20	0.00	0.16	0.16	0.19	0.19	0.40	0.89	0.40	85
26	2.35	0.93	41,135	116,048	30,042	0.19	0.00	0.16	0.16	0.19	0.19	0.42	0.89	0.41	78
27	2.29	1.01	37,058	113,010	28,213	0.19	0.00	0.17	0.16	0.19	0.19	0.41	0.90	0.43	62
28	2.06	0.93	34,624	110,107	26,828	0.19	0.00	0.17	0.16	0.19	0.19	0.38	0.91	0.44	65
29	1.81	0.75	31,984	107,317	25,374	0.19	0.00	0.17	0.16	0.19	0.19	0.19	0.91	0.42	65
30	1.94	0.68	28,700	104,606	24,177	0.18	0.00	0.17	0.16	0.19	0.19	0.12	0.90	0.42	62
31	1.68	0.38	27,359	102,031	22,999	0.18	0.14	0.18	0.17	0.19	0.19	0.32	0.87	0.44	64

Clifton Court Cl(mg/l)=200X EC - 25

e = Estimated

f = Excess Delta conditions with fish concerns.

N.R. = No Record.

r = Excess delta conditions with export/inflow ratio conce dm = Daily Mean

N.C. = Not computed due to insufficient data.

s = Balanced water conditions with storage withdrawals. md = Mean Daily

Table 34. Pesticides, Herbicides, and Other Organic Substances Detected In the SWP

Sampling Location	Sample Date 1/	Chemical Detected	Concentration	March 2000
			µg/l	2/
North Bay Aqueduct At Barker Slough Pumping Plant	March 15, 2000	Simazine	0.04	
California Aqueduct At Banks Pumping Plant	March 15, 2000	Simazine	0.0	
Delta Mendota Canal At McCabe Road	March 14, 2000	Simazine	0.02	
California Aqueduct Near Kettleman City (Check 21)	March 14, 2000	Simazine	0.09	
California Aqueduct At Tehachapi Afterbay (Check 41)	March 13, 2000	Simazine Diuron	0.10 0.39	
Devil Canyon Power Plant At Entrance To Santa Ana Pipeline	March 13, 2000	MTBE Carbofuran Carbaryl Simazine	4.5 2.00 5.50 0.08	

1/ Locations are normally sampled during March, June, and September. Monthly reports will include data for the month in which samples were most recently taken.

2/ Micrograms per liter.

Table 35. Oroville and Delta Field Divisions Energy Data

(in kWh)

March 2000

Date	Oroville Thermalito Complex		Barker Slough Pumping Plant	Cordelia Pumping Plant	Banks Pumping Plant		South Bay Pumping Plant	Del Valle Pumping Plant
	Generation	Load	Load	Load	Total Load	SWP Load	Load	Load
1	18,395,990	0	8,988	20,237	3,259,968	3,259,968	53,360	268
2	20,414,304	0	8,260	18,200	3,831,552	2,115,552	56,305	281
3	20,363,616	0	9,604	21,399	4,396,608	1,640,608	47,825	271
4	18,001,728	0	7,469	16,702	4,961,088	1,916,088	46,700	260
5	7,958,880	1,440	9,149	21,126	4,964,928	1,892,928	42,595	270
6	14,148,288	2,016	9,499	20,643	4,343,424	1,888,424	23,760	332
7	19,687,968	0	5,761	9,793	4,950,336	1,879,336	16,915	301
8	21,011,904	0	3,871	8,211	4,333,824	-208,176	17,100	312
9	21,018,528	0	3,178	7,119	1,835,520	632,520	11,890	306
10	20,406,528	0	4,655	5,943	2,515,776	1,146,776	11,380	319
11	18,880,992	0	5,306	10,325	1,557,888	1,557,888	9,180	275
12	13,660,704	0	4,298	7,840	4,191,168	2,775,168	14,735	300
13	13,736,448	0	3,402	5,943	2,005,440	2,005,440	8,105	278
14	17,072,928	288	5,649	9,786	1,313,280	1,313,280	30,535	270
15	18,140,544	0	4,480	8,092	1,884,672	1,884,672	138,355	255
16	16,383,744	0	4,235	8,092	1,752,576	1,752,576	105,770	269
17	13,599,072	0	6,293	11,109	1,979,712	1,979,712	120,500	281
18	6,316,416	2,304	6,167	11,886	3,589,056	3,589,056	132,765	270
19	2,516,544	6,336	6,811	12,250	3,889,344	3,889,344	134,335	294
20	9,159,840	3,456	8,785	13,468	3,656,064	3,656,064	134,645	305
21	7,943,616	2,592	8,281	13,258	2,637,120	2,637,120	148,690	292
22	8,885,664	0	17,563	22,225	3,287,808	3,287,808	171,530	290
23	8,684,352	288	17,668	21,469	2,307,840	2,307,840	199,855	279
24	8,369,280	3,456	17,780	20,916	2,267,712	2,267,712	214,660	270
25	1,054,080	6,336	12,320	16,359	2,731,008	2,731,008	223,125	268
26	654,048	7,200	10,129	15,659	3,161,088	3,161,088	224,190	269
27	7,245,792	3,744	6,615	10,570	3,397,632	3,397,632	244,295	297
28	7,344,000	4,032	7,119	12,530	3,078,528	3,078,528	262,290	311
29	3,557,088	3,456	6,321	10,675	3,613,632	3,613,632	271,405	293
30	2,436,480	4,032	6,930	11,305	3,688,320	3,688,320	291,975	270
31	2,074,752	4,032	2,688	2,877	3,232,704	3,232,704	295,380	263
Total	369,124,118	55,008	239,274	406,007	98,615,616	73,970,616	3,704,150	8,819

Table 36. San Luis Field Division Energy Data

(in kWh)

March 2000

Date	Dos Amigos Pumping Plant		Gianelli Pumping-Generating Plant			
	Total Load	SWP Load 1/	Total Generation	SWP Generation 1/	Total Load	SWP Load 1/
1	1,071,936	1,071,936	84,960	84,960	2,474,208	203,208
2	1,325,664	1,325,664	88,704	88,704	3,849,696	207,696
3	1,139,760	1,139,760	0	0	7,298,496	-125,504
4	1,181,952	1,181,952	0	0	5,086,656	-109,344
5	1,380,240	1,380,240	0	0	7,797,024	-110,976
6	1,066,320	1,066,320	0	0	4,875,264	-17,736
7	1,233,648	1,233,648	0	0	5,416,416	-113,584
8	1,110,816	1,110,816	0	0	5,915,232	-102,768
9	582,912	582,912	0	0	5,764,896	-127,104
10	673,200	673,200	0	0	5,827,104	-3,896
11	610,992	610,992	0	0	5,787,072	3,072
12	770,112	770,112	0	0	5,763,744	51,744
13	1,055,664	1,055,664	0	0	2,924,928	41,928
14	843,984	843,984	0	0	2,071,008	-106,992
15	1,208,880	1,208,880	0	0	2,480,256	-14,744
16	1,392,192	1,392,192	0	0	2,987,136	-12,864
17	1,278,432	1,278,432	0	0	2,964,384	-35,616
18	1,501,488	1,501,488	0	0	2,488,608	-45,392
19	1,650,384	1,650,384	0	0	5,655,744	38,744
20	1,151,136	1,151,136	0	0	2,116,512	-25,488
21	1,501,488	1,501,488	0	0	2,136,960	-5,040
22	1,683,360	1,626,360	0	0	2,133,792	9,792
23	1,783,152	1,726,152	0	0	1,195,776	33,776
24	1,756,800	1,699,800	0	0	15,552	15,552
25	1,836,432	1,779,432	0	0	14,976	14,976
26	1,749,888	1,647,888	0	0	1,015,488	295,488
27	1,912,032	1,495,032	0	0	17,280	17,280
28	1,712,448	1,295,448	0	0	16,704	16,704
29	2,083,536	1,609,536	0	0	17,568	17,568
30	1,972,944	1,498,944	0	0	16,992	16,992
31	2,078,352	1,541,352	0	0	16,416	16,416
Total	42,300,144	39,651,144	173,664	173,664	96,141,888	43,888

1/ Negative values may appear in SWP columns and indicate a mismatch of scheduled CVP energy and actual pumping; adjustments to SWP water shares are made to balance the mismatch.

Table 37. San Joaquin Field Division Pumping Plant Energy Load Data

(in kWh)

March 2000

Date	Coastal Branch					California Aqueduct			
	Las Perillas	Badger Hill	Devils Den	Bluestone	Polonio	Buena Vista	Teerink	Chrisman	Edmonston
1	7,926	21,128	32,544	31,572	33,228	767,952	776,376	1,768,608	6,328,080
2	9,168	21,376	34,146	31,608	34,830	780,408	807,048	1,854,144	6,639,120
3	6,166	14,192	30,078	27,630	29,430	933,336	975,240	2,287,296	8,113,680
4	3,558	7,840	20,178	20,682	21,546	962,928	1,065,528	2,504,160	8,930,880
5	5,762	13,216	33,858	31,608	34,488	1,511,352	1,617,840	3,777,120	13,919,760
6	4,716	11,432	21,888	19,782	21,294	1,007,424	1,089,216	2,511,648	8,663,040
7	5,014	11,568	20,016	19,566	20,772	1,001,304	1,046,736	2,447,424	8,921,520
8	3,532	7,920	34,020	31,500	34,506	1,036,512	1,110,024	2,560,320	9,118,800
9	4,894	10,536	22,914	21,042	23,184	802,080	877,680	2,055,168	7,253,280
10	3,980	9,096	32,598	31,050	33,696	601,848	631,728	1,415,520	5,117,040
11	2,514	4,936	13,842	13,302	14,508	636,696	645,048	1,490,688	5,215,680
12	4,912	11,288	33,930	31,482	34,146	930,600	990,864	2,259,072	8,068,320
13	3,164	7,176	17,964	17,316	18,072	618,192	614,232	1,387,872	5,002,560
14	10,416	26,304	28,188	26,748	28,458	638,208	653,832	1,512,576	5,493,600
15	15,980	42,384	46,026	43,812	46,566	839,664	876,888	2,006,208	7,201,440
16	17,552	46,256	47,160	44,892	47,754	793,368	811,728	1,855,872	6,534,720
17	11,836	29,840	13,968	13,320	14,814	936,864	1,022,832	2,320,704	8,105,760
18	9,304	23,776	34,128	32,598	35,478	994,392	964,008	2,212,992	7,960,320
19	10,538	26,952	32,598	29,844	31,842	1,284,912	1,423,944	3,310,272	11,674,800
20	8,936	21,368	26,280	25,038	26,694	1,031,040	1,055,232	2,375,712	8,429,760
21	13,246	34,016	34,308	33,714	37,170	991,152	1,048,968	2,344,320	8,213,760
22	15,446	39,152	34,938	31,680	34,506	1,165,104	1,229,688	2,732,256	9,804,240
23	14,404	37,336	34,272	32,400	35,784	1,257,912	1,328,256	3,041,280	10,708,560
24	16,434	42,696	40,662	38,214	41,004	1,256,544	1,319,760	2,947,392	10,712,880
25	15,766	41,048	25,686	24,516	26,748	1,147,680	1,177,776	2,693,376	9,690,480
26	17,786	47,880	33,786	32,058	34,308	1,335,744	1,427,112	3,305,664	11,696,400
27	21,662	57,224	46,710	44,730	47,916	1,279,080	1,384,128	3,149,856	11,190,240
28	25,430	68,888	34,092	30,600	33,318	1,296,576	1,337,328	3,040,128	10,851,840
29	26,020	70,536	34,920	34,560	37,350	1,274,472	1,337,688	3,060,864	11,185,200
30	24,850	67,896	39,132	37,134	38,844	1,298,880	1,365,192	3,155,328	11,196,742
31	21,716	59,600	38,610	36,018	39,096	1,244,160	1,323,144	3,062,016	10,681,200
Total	362,628	934,856	973,440	920,016	991,350	31,656,384	33,335,064	76,445,856	272,623,702

Table 38. Southern Field Division Energy Data

(in kWh)

March 2000

Date	West Branch			East Branch			
	Oso Pumping Plant Load	Warne Powerplant Generation	Castaic Powerplant SWP Generation	Alamo Powerplant Generation	Pearblossom Pumping Plant Load	Devil Canyon Powerplant Generation	Mojave Siphon Powerplant Generation
1	226,072	738,504	1,080,000	225,260	1,255,944	2,535,552	143,241
2	216,328	883,440	1,080,000	244,048	1,409,016	2,851,968	158,361
3	229,376	724,896	1,080,000	319,508	1,621,104	2,785,056	186,459
4	384,496	475,560	1,080,000	302,456	1,496,988	2,840,544	191,016
5	653,464	358,848	1,080,000	408,884	2,352,120	3,068,448	110,250
6	138,880	619,560	720,000	372,792	1,881,228	2,980,128	125,139
7	283,640	623,880	720,000	346,696	2,093,784	2,833,920	306,348
8	247,632	688,752	720,000	363,860	2,133,852	2,779,200	223,881
9	198,744	448,560	720,000	178,444	1,423,752	2,716,128	201,726
10	200,872	404,496	720,000	183,764	1,003,152	2,866,752	112,035
11	190,288	596,520	720,000	191,436	977,220	2,378,016	110,292
12	341,600	108,864	720,000	277,928	1,274,976	2,549,952	160,083
13	127,288	628,416	960,000	203,280	1,335,780	2,606,208	138,936
14	179,088	677,304	960,000	208,600	992,700	2,732,832	107,079
15	274,512	695,088	960,000	216,160	1,454,820	2,449,824	158,634
16	249,312	671,976	1,247,000	229,852	1,284,000	2,434,176	144,438
17	273,112	684,648	960,000	293,692	1,449,984	2,910,720	180,369
18	264,488	760,104	960,000	300,048	1,403,412	2,810,208	168,924
19	424,256	0	960,000	423,584	2,134,836	3,127,680	238,749
20	78,904	441,000	840,000	8,652	2,072,844	3,282,240	288,267
21	224,056	617,760	840,000	66,892	1,781,892	3,202,272	212,793
22	290,416	641,736	840,000	381,248	2,084,892	3,188,640	243,705
23	452,760	1,277,496	1,680,000	365,904	1,958,088	3,184,224	230,181
24	455,616	1,281,456	1,680,000	365,652	1,868,664	3,172,896	255,822
25	414,064	1,243,800	1,680,000	341,012	1,651,248	3,042,528	195,783
26	511,280	1,512	1,680,000	395,584	1,777,224	2,956,992	201,495
27	615,888	1,599,912	2,280,000	318,248	1,801,668	3,241,248	218,883
28	613,424	1,604,016	2,280,000	310,632	1,683,624	2,731,008	199,437
29	638,904	1,548,864	2,280,000	319,704	1,503,804	3,330,816	171,885
30	639,912	1,540,080	2,280,000	324,459	1,405,380	2,775,360	165,774
31	683,144	1,593,000	2,280,000	269,052	1,405,620	2,801,376	141,624
Total	10,721,816	24,180,048	38,087,000	8,757,331	49,973,616	89,166,912	5,691,609